

JKC/MGRL/ENV/2025-26/77

Date: 28/05/2026

To,

**The Integrated Regional Office (IRO),**

Ministry of Environment, Forest and Climate Change (MoEFCC)

A-209&amp;218, 'Aranya Bhawan

Mahatma Gandhi Road

Jhalana Institutional Area, Jaipur (Raj.) - 304002

**Sub:** Submission of Six- monthly Environment Clearance Compliance report of J.K. Cement Works, Mangrol, Mangrol Limestone Mine (M.L. No. 26/08, ML area 132 Ha.).**Ref.:** EC Letter no.- J-11015/427/2008-IA.II(M) dated 6<sup>th</sup> August 2010

Dear Sir,

Please be informed that with reference to the above subject, we **J.K. Cement Works, Mangrol** located at Village Mangrol, Tehsil Nimbahera, District Chittorgarh, State Rajasthan here with submit the Six-Monthly environmental clearance condition wise compliance report for the period of **October 2025- March 2026** for **Mangrol Limestone Mine** to your good office.

As per MoEF & CC notification no. S.O. 5845 (E) 26.11.2018 the soft copy of same has been sent through email to [iro.jaipur-mefcc@gov.in](mailto:iro.jaipur-mefcc@gov.in), [cpm.rpcb@gmail.com](mailto:cpm.rpcb@gmail.com) & [ro.chittorgarh@gmail.com](mailto:ro.chittorgarh@gmail.com) .

This is for your information and records purpose.

Thanking you.

**Your faithfully****For J.K. Cement Works, Mangrol**  
**Manish Toshniwal****Unit Head (Operations)****Encl: Environment Clearance Condition wise compliance report for the period of October 2025 to March 2026.****Copy to:**

1. The Regional Director, Central Pollution Control Board, Parvyavaran Parisar, E-5, Area colony, Bhopal (M.P) 462016
2. The Member Secretary, Rajasthan State Pollution Control Board, Head office- Jaipur.
3. The Regional Officer- Rajasthan State Pollution Control Board, District- Chittorgarh (Raj.)

Corporate Office

- 
- Prism Tower, 6th Floor, Ninaniya Estate, Gwal Pahari, Gurugram - 122102, Haryana
  - 0124-6919000
  - admin.padamtower@jkcement.com
  - www.jkcement.com

**JK SUPER  
CEMENT**  
BUILD SAFE

Manufacturing Units at :

Nimbahera, Mangrol, Gotan (Rajasthan) | Muddapur (Karnataka)  
Jharli (Haryana) | Katni (M.P.) | Aligarh (U.P.) | Balasinor (Gujarat)**JK CEMENT  
WallMaxX**  
White Cement Wall Putty

**Half Yearly Compliance Report  
2026  
01 Jun(01 Oct - 31 Mar)**

**Acknowledgement**

<b>Proposal Name</b>	Mangrol Limestone Mining Project (ML No.: 26/08, Area 132 ha. of M/s. J.K. Cement Works, located in Village - Mangrol, Tehsil - Nimbahera, District Chittorgarh, Rajasthan (Limestone 1.5 MMTPA)		
<b>Name of Entity / Corporate Office</b>	J.K. CEMENT WORKS ,MANGROL LIMESTONE MINE		
<b>Village(s)</b>	N/A		
<b>District</b>	CHITTORGARH		
<b>Proposal No.</b>	IA/RJ/MIN/8947/2008	<b>Category</b>	Non-Coal Mining
<b>Plot / Survey / Khasra No.</b>	N/A	<b>Sub-District</b>	N/A
<b>State</b>	RAJASTHAN	<b>Entity's PAN</b>	*****0355R
<b>MoEF File No.</b>	J-11015/427/2008-IA. II (M)	<b>Entity name as per PAN</b>	J K CEMENT LIMITED

**Compliance Reporting Details**

<b>Reporting Year</b>	2026
<b>Remarks (if any)</b>	Submitting herewith the Six-Monthly EC Compliance Report for the period: October 2025 to March 2026 of Mangrol Limestone Mine (ML. No.: 26/08, Area 132.00 ha.) - Limestone Production - 1.5 MMTPA.
<b>Reporting Period</b>	01 Jun(01 Oct - 31 Mar)

**Details of Production and Project Area**

**Name of Entity / Corporate Office** J.K. CEMENT WORKS ,MANGROL LIMESTONE MINE

	<b>Project Area as per EC Granted</b>	<b>Actual Project Area in Possession</b>
Private	132	132
Revenue Land	0	0
Forest	0	0
Others	N/A	N/A
<b>Total</b>	<b>132</b>	<b>132</b>

**Others Area**

Sr. no	Other Name	Area Granted	Area Actual
1	Mangrol Limestone Mining Project (ML No.: 26/08, Area 132 ha. of M/s. J.K. Cement Works, located in	132.00	132.00

### Production Capacity

Sr. no	Product Name	units	Valid Upto	Capacity	Production last year	Capacity as per CTO
1	Interstitial Clay/ Screen rejects/ Waste	Million Tons per Annum (MTPA)	N/A	-	0.00	-
2	Topsoil	Million Tons per Annum (MTPA)	N/A	-	0.00	-
3	Cement Grade Limestone	Million Tons per Annum (MTPA)	31/01/2029	1.500	0.416675	1.500

### Conditions

#### Specific Conditions

Sr.No.	Condition Type	Condition Details
1	Statutory compliance	The project proponent shall obtain Consent to Establish and Consent to Operate from the Rajasthan State Pollution Control Board and effectively implement all the conditions stipulated therein.
<b>PPs Submission:</b> Complied Consent to operate has been obtained vide letter No: F(Mines)/Chittorgarh (Nimbahera)/1863(1)/2016-2017/6278-6282 dated 03-01-2024, valid up to 31.01.2029.		Date: 23/05/2026
2	Statutory compliance	Environmental clearance is granted subject to outcome of Honourable Supreme Court of India in Contempt Petition (C) No.412/2004 in IA No. 833 in Writ Petition (C) No. 202 of 1995, as may be applicable to this project.
<b>PPs Submission:</b> Agreed to Comply Agreed and Noted		Date: 28/05/2026
3	MISCELLANEOUS	The environmental clearance is subject to approval of the State Land Use Department, Government of Rajasthan for diversion of

		agricultural land for non-agricultural use.
<b>PPs Submission:</b> Complied Private agriculture land is used only after diversion for non-agriculture use from state revenue department.		Date: 23/05/2026
4	Statutory compliance	Necessary prior permission from the Competent Authority as may be applicable for use of grazing land for mining purpose shall be obtained.
<b>PPs Submission:</b> Agreed to Comply Noted and Agreed		Date: 28/05/2026
5	MISCELLANEOUS	The project proponent shall develop fodder plots in the non-mineralized area in lieu of use of grazing land
<b>PPs Submission:</b> Being Complied Noted and agreed.		Date: 23/05/2026
6	Statutory compliance	The mining operations shall be restricted to above ground water table, and it should not intersect the groundwater table. In case of working below the ground water table, prior approval of the Ministry of Environment and Forests and the Central Ground Water Authority shall be obtained, for which a detailed hydro-geological study shall be carried out.
<b>PPs Submission:</b> Being Complied Currently, mining operations are not intersecting the ground water table. Mining is carried well above ground water table. However, in future if mining will be proposed working below the ground water table, prior approval of concerned authorities will be obtained.		Date: 23/05/2026
7	Statutory compliance	The project proponent shall ensure that no natural watercourse and/or water resources are obstructed due to any mining operations
<b>PPs Submission:</b> Being Complied Mining is being done as per Approved Mining plan. No Natural watercourses or water resources are obstructed due to mining operations. Additionally, there is no modification or diversion of existing natural drainage at lease mining area.		Date: 23/05/2026
8	MINING PLAN	The topsoil shall temporarily be stored at earmarked site(s) only and it should not be kept unutilized for long. The topsoil shall be used for land reclamation and plantation
<b>PPs Submission:</b> Complied Currently, no top soil generated during mining operations.		Date: 23/05/2026
9	WASTE MANAGEMENT	The waste generated during the mining operation shall be stacked at the earmarked site and reclaimed by the plantation. Monitoring and management of rehabilitated areas should continue until the vegetation becomes self-sustaining. Compliance status should be submitted to the Ministry of Environment and Forests and its Regional Office, Lucknow on six monthly basis.
<b>PPs Submission:</b> Being Complied No waste generation occurred between October 2025 to March 2026. However, waste generated earlier is properly stacked at earmarked site.		Date: 23/05/2026
10	MINING PLAN	The void left unfilled in the entire excavated area of 88.55 ha. shall

		be converted into water body. The higher benches of excavated void/mining pit shall be terraced, and plantation done to stabilize the slopes. The slope of higher benches shall be made gentler for easy accessibility by local people to use the water body. Peripheral fencing shall be carried out all along the excavated area.
<b>PPs Submission:</b> Agreed to Comply Whole excavated area will be used for collection of harvested rainwater. The entire excavated area will be properly fenced along the periphery and plantation will be done at the end of life of mine.		Date: 28/05/2026
11	MISCELLANEOUS	Catch drains and siltation ponds of appropriate size shall be constructed for the working pit, temporary soil, mineral dumps, and waste dump s to arrest flow of silt and sediment directly into the agricultural fields, the Gambhiri dam, the Murlia reservoir, the Gambhiri river and other water bodies. The water so collected should be utilized for watering the mine area, roads, green belt development etc. Garland drains, setting tanks and check dams of appropriate size, gradient and length shall be constructed both around the mine pit and waste dump(s) to prevent run off of water and flow of sediments directly into the agricultural fields, the Gambhiri dam, the Murlia reservoir, the Gambhiri river and other water bodies and sump capacity should be designed keeping 50 percent safety margin over and above peak sudden rainfall based on 50 years data and maximum discharge in the area adjoining the mine site.
<b>PPs Submission:</b> Being Complied Catch drains and siltation ponds of appropriate size is constructed around working pit to arrest silt and sediment. Also garland drains of appropriate size is constructed to prevent run off water and flow of sediments outside the mine lease area. The collected water is used for dust suppression, plant watering and other activity as and when required. Photographs enclosed as Annexure 1		Date: 23/05/2026
12	MISCELLANEOUS	Dimension of the retaining wall at the toe of the waste dumps and the waste benches within the mine to check run-off and siltation should be based on the rain fall data.
<b>PPs Submission:</b> Being Complied Noted		Date: 28/05/2026
13	GREENBELT	Plantation shall be raised in an area of 14 ha including a 7.5 m wide green belt in the safety zone around the mining lease, reclaimed area, around water body, around waste dumps along the roads etc. by planting the native species in consultation with the local DFO/ Agriculture Department. The density of the trees should be around 1000 plants per ha. Greenbelt shall be developed all along the mine lease area in a phased manner and shall be completed within first five years.
<b>PPs Submission:</b> Being Complied We have Planted 32,863 No. of saplings (Native species) up to march 2026 within the mine lease area.		Date: 28/05/2026
14	Statutory compliance	Effective safeguard measures, such as regular water sprinkling shall be carried out in critical areas prone to air pollution and having high levels of particulate matter such as around crushing and screening plant, loading, and unloading point and all transfer points. Extensive water sprinkling shall be carried out on haul roads. It should be ensured that the Ambient Air Quality parameters conform to the norms prescribed by the Central Pollution Control Board in this regard.

<p><b>PPs Submission: Being Complied</b> Regular water sprinkling done on the haul roads, loading and unloading point, transfer points by water tanker. Wet drilling system is practiced. Regular AAQ monitoring in core and buffer zone are being conducted and the results are well within the prescribed norms.</p>		<p>Date: 23/05/2026</p>
15	<p><b>WATER QUALITY MONITORING AND PRESERVATION</b></p>	<p>The project authority should implement suitable conservation measures to augment ground water resources in the area in consultation with the Regional Director, Central Ground Water Board.</p>
<p><b>PPs Submission: Being Complied</b> Noted</p>		<p>Date: 28/05/2026</p>
16	<p><b>WATER QUALITY MONITORING AND PRESERVATION</b></p>	<p>Regular monitoring of ground water level and quality shall be carried out in and around the mine lease by establishing a network of existing wells and installing new piezometers during the mining operation. The periodic monitoring (at least four times in a year - pre-monsoon (April-May), monsoon (August), post-monsoon (November) and winter (January); once in each season) shall be carried out in consultation with the State Ground Water Board/Central Ground Water Authority and the data thus collected may be sent regularly to the Ministry of Environment and Forests and its Regional Office, Lucknow, the Central Ground Water Authority and the Regional Director, Central Ground Water Board. If at any stage, it is observed that the groundwater table is getting depleted due to the mining activity, necessary corrective measures shall be carried out.</p>
<p><b>PPs Submission: Being Complied</b> Ground water level and quality is being carried out in and around the mine lease area. 2 nos DWLR in buffer zone and one DWLR in core zone have been installed for groundwater levels monitoring. Regular monitoring of Ground water quality report and water level attached as annexure 2</p>		<p>Date: 28/05/2026</p>
17	<p><b>WATER QUALITY MONITORING AND PRESERVATION</b></p>	<p>Appropriate mitigative measures shall be taken to prevent pollution of the Gambhiri River and Murlia Dam in consultation with the State Pollution Control Board.</p>
<p><b>PPs Submission: Being Complied</b> Gambhiri dam and Murlia Reservoir are at a distance of 3.2 km (South East) and 3.4 (West) respectively. So, there is no impact or disturbance from the mining operations to nearby waterbodies. However all Appropriate mitigative measures such as construction of retaining wall and garland drains to arrest run off and siltation.</p>		<p>Date: 28/05/2026</p>
18	<p><b>WATER QUALITY MONITORING AND PRESERVATION</b></p>	<p>The project proponent shall obtain necessary prior permission of the competent authorities for drawl of requisite quantity of ground water required for the project.</p>
<p><b>PPs Submission: Complied</b> Ground water NOC has been obtained from CGWA vide Letter No.: NOC/MIN/RJ/2025/4274/R-4/4 on dated 29/07/2025.</p>		<p>Date: 23/05/2026</p>
19	<p><b>WATER QUALITY MONITORING AND PRESERVATION</b></p>	<p>Suitable rainwater harvesting measures on long term basis shall be planned and implemented in consultation with the Regional Director, Central Ground Water Board.</p>
<p><b>PPs Submission: Being Complied</b> Rainwater harvesting is being done through mine pit water stored in lower most benches and constructed one recharge well and 02 Nos. of Check Dams to augment the water resources in the mines area. Photographs attached as Annexure 3.</p>		<p>Date: 23/05/2026</p>

20	MISCELLANEOUS	Vehicular emissions shall be kept under control and regularly monitored. Measures shall be taken for maintenance of vehicles used in mining operations and in transportation of mineral. The mineral transportation shall be carried out through the covered trucks only and the vehicles carrying the mineral shall not be overloaded.
<b>PPs Submission:</b> Being Complied Tippers used in mines are routinely tested for vehicle emissions (PUC certificate) every six months and maintained record. We are ensuring that tippers are not being overloaded.		Date: 23/05/2026
21	Noise Monitoring & Prevention	Controlled blasting shall be practiced. The mitigative measures for control of ground vibrations and to arrest fly rocks and boulders should be implemented.
<b>PPs Submission:</b> Being Complied A non-electrical delay detonator system is used during blasting. Regular monitoring of ground vibration is carried out. A lock breaker is used to avoid secondary explosions.		Date: 23/05/2026
22	Noise Monitoring & Prevention	The project proponent shall take all mitigative measures during the mining operation to ensure that the buildings/structures in the nearby areas shall not be affected due to blasting.
<b>PPs Submission:</b> Being Complied Noted- Mining is being done as per approved mining plant		Date: 28/05/2026
23	AIR QUALITY MONITORING AND PRESERVATION	Drills shall either be operated with dust extractors or equipped with water injection system.
<b>PPs Submission:</b> Being Complied A water injection system is installed on the wagon drill to control dust at the source of generation. Photographs attached as annexure 4.		Date: 23/05/2026
24	AIR QUALITY MONITORING AND PRESERVATION	Mineral handling area shall be provided with the adequate number of high efficiency dust extraction system. Loading and unloading areas including all the transfer points should also have efficient dust control arrangements. These should be properly maintained and operated.
<b>PPs Submission:</b> Being Complied There is no crusher at existing lease area. Haul road water sprinkling system and wet muck pile for loading the material is practiced. Material is shifted via tippers at plant crusher where Material handling area are provided with proper bag filters and loading and unloading transfer points have efficient water spraying system.		Date: 23/05/2026
25	WATER QUALITY MONITORING AND PRESERVATION	Sewage treatment plant shall be installed for the colony. ETP shall also be provided for the workshop and wastewater generated during the mining operation.
<b>PPs Submission:</b> Being Complied There is no colony at Mines lease area, we have separate colony for integrated cement plant and mines employees. STP is installed in the colony. No industrial wastewater is generated from mines operations. The wastewater from Workshop (Pit followed by Oil separation tank) and the treated water is used for dust suppression.		Date: 23/05/2026
26	Human Health Environment	Pre-placement medical examination and periodical medical examination of the workers engaged in the project shall be carried out and records maintained. For the purpose, schedule of health examination of the workers should be drawn and followed

		accordingly.
<b>PPs Submission: Being Complied</b> Pre-placement initial medical examination of the workers is carried out and record is being maintained. The health check-up schedule is stipulated to be conducted as per guideline for each employee.		<b>Date:</b> 28/05/2026
27	MISCELLANEOUS	Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, creche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.
<b>PPs Submission: Complied</b> No construction labour is being engaged. Also, most of the labours working are of nearby places and hence no housing facilities are required.		<b>Date:</b> 23/05/2026
28	AIR QUALITY MONITORING AND PRESERVATION	The critical parameters such as RSPM (Particulate matter with size less than 10 microns i.e., PM10) and NOx in the ambient air within the impact zone, peak particle velocity at 300m distance or within the nearest habitation, whichever is closer shall be monitored periodically. Further, quality of discharged water shall also be monitored (TDS, DO, PH and Total Suspended Solids (TSS)). The monitored data shall be uploaded on the website of the company as well as displayed on the display board at the project site at a suitable location near the main gate of the Company in public domain. The Circular No. J-20012/1/2006-IA. II(M) dated 27.05.2009 issued by Ministry of Environment and Forests, which is available on the website of the Ministry <a href="http://www.envfor.nic.in">www.envfor.nic.in</a> shall also be referred in this regard for its compliance.
<b>PPs Submission: Being Complied</b> The critical parameters such as RSPM and NOx in the ambient air are monitored periodically. Further, quality of treated water is also displayed as per Circular No. J-20012/1/2006-IA. II(M) dated 27.05.2009 issued by Ministry of Environment and Forests. Ambient Air quality monitoring and quality report of treated effluent water generated from workshop are enclosed as Annexure 5.		<b>Date:</b> 23/05/2026
29	MINING PLAN	A Final Mine Closure Plan along with details of Corpus Fund should be submitted to the Ministry of Environment and Forests 5 years in advance of final mine closure for approval.
<b>PPs Submission: Complied</b> Progressive Mine Closure Plan is prepared along with approved Mining plan. There is no plan of final mine closure in first five year of Mining Plan.		<b>Date:</b> 23/05/2026
<b>General Conditions</b>		
Sr.No.	Condition Type	Condition Details
1	Statutory compliance	No change in mining technology and scope of working should be made without prior approval of the Ministry of Environment, Forest, and Climate Change.
<b>PPs Submission: Complied</b> There is no change in the technology and scope of work.		<b>Date:</b> 23/05/2026
2	MINING PLAN	No change in the calendar plan including excavation, quantum of mineral limestone and waste should be made.

<p><b>PPs Submission:</b> Complied Mining is being done in as per approved mining plan.</p>		<p>Date: 23/05/2026</p>
3	MISCELLANEOUS	Conservation measures for protection of flora and fauna in the core and buffer zone should be drawn up in consultation with the local forest and wildlife department and effectively implemented.
<p><b>PPs Submission:</b> Being Complied A Combined Wildlife Conservation Plan (WLCP) has been prepared for 5 Nos. of captive Limestone Mines and 2 Nos. of Integrated Cement Plant of J K Cement Ltd located within 10 Km radius in Tehsil Nimbahera, Chittorgarh District. The Wildlife Conservation Plan has been forwarded by the DFO - Chittorgarh to Divisional Chief Conservator of Forest vide letter No.: F (5) Survey/UVS/2021-22/4089 dated 13.07.2021 with a total implementation cost of INR 285.30 lakhs for 10 years. The approved plan is being implemented by the State Forest Department. An amount of INR 57.07 Lakh has already been deposited to the Rajasthan Forest Department as per demand note issued by the DFO - Chittorgarh in July-2021.</p>		<p>Date: 23/05/2026</p>
4	AIR QUALITY MONITORING AND PRESERVATION	Four ambient air quality-monitoring stations should be established in the core zone as well as in the buffer zone for RSPM (Particulate matter with size less than 10 micron i.e., PM10) and NOx monitoring. Location of the stations should be decided based on the meteorological data, topographical features and environmentally and ecologically sensitive targets and frequency of monitoring should be undertaken in consultation with the State Pollution Control Board.
<p><b>PPs Submission:</b> Complied Noted</p>		<p>Date: 28/05/2026</p>
5	AIR QUALITY MONITORING AND PRESERVATION	Data on ambient air quality RSPM (Particulate matter with size less than 10 micron i.e., PM10) and NOx should be regularly submitted to the Ministry of Environment and Forests including its Regional Office located at Lucknow and the State Pollution Control Board/ Central Pollution Control Board once in six months.
<p><b>PPs Submission:</b> Being Complied Monitoring data is regularly being submitted to the concerned departments with Half Yearly Compliance report is being submitted on Parivesh Portal and to all concerned departments as per guideline.</p>		<p>Date: 23/05/2026</p>
6	AIR QUALITY MONITORING AND PRESERVATION	Fugitive dust emissions from all the sources should be controlled regularly. Water spraying arrangement on haul roads, loading, and unloading and at transfer points should be provided and properly maintained.
<p><b>PPs Submission:</b> Being Complied Water sprinkling for haul roads, loading unloading point and transfer points has been provided. Green belt developed in and around mine lease area to control fugitive dust emission. Photographs enclosed as Annexure 6.</p>		<p>Date: 23/05/2026</p>
7	Noise Monitoring & Prevention	Measures should be taken for control of noise levels below 85 dBA in the work environment. Workers engaged in operations of HEMM, etc. should be provided with ear plugs / muffs.
<p><b>PPs Submission:</b> Being Complied Regular maintenance of the HEMM is performed to keep noise levels within specified limits. Earplugs are provided to operators operating HEMMs.</p>		<p>Date: 23/05/2026</p>
8	WATER QUALITY MONITORING AND	Industrial wastewater (workshop and wastewater from the mine) should be properly collected, treated so as to conform to the standards

	PRESERVATION	prescribed under GSR 422 (E) dated 19th May 1993 and 31st December 1993 or as amended from time to time. Oil and grease trap should be installed before discharge of workshop effluents.
<b>PPs Submission:</b> Being Complied No industrial wastewater is generated during the operation of the mine, and wastewater from the workshop is collected (pit followed by Oil separation tank) and used for dust control.		Date: 23/05/2026
9	Human Health Environment	Personnel working in dusty areas should wear protective respiratory devices and they should also be provided with adequate training and information on safety and health aspects. Occupational health surveillance program of the workers should be undertaken periodically to observe any contractions due to exposure to dust and take corrective measures, if needed.
<b>PPs Submission:</b> Being Complied PPES are provided for all personnel working in dusty areas. Training and information on safety and health aspects is being provided. Occupational health surveillance program of the workers is undertaken periodically.		Date: 23/05/2026
10	Statutory compliance	A separate environmental management cell with suitable qualified personnel should be set-up under the control of a Senior Executive, who will report directly to the Head of the Organization.
<b>PPs Submission:</b> Complied The Environmental Management Cell consists of qualified personnel who report directly to Unit head.		Date: 23/05/2026
11	Corporate Environmental Responsibility	The funds earmarked for environmental protection measures should be kept in separate account and should not be diverted for other purpose. Year wise expenditure should be reported to the Ministry of Environment and Forests and its Regional Office located at Lucknow.
<b>PPs Submission:</b> Complied Complied		Date: 28/05/2026
12	MISCELLANEOUS	The project authorities should be informed to the Regional Office located at Lucknow regarding data of financial closures and final approval of the project by the concerned authorities and the date of start of land development work.
<b>PPs Submission:</b> Complied The commercial date of production is 13.06.2013 of this mine, financial closures is same as proposed in EC and was informed to concerned offices.		Date: 23/05/2026
13	Statutory compliance	The Regional Office of this Ministry located at Lucknow shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data/information/ monitoring reports.
<b>PPs Submission:</b> Agreed to Comply Noted and agreed		Date: 28/05/2026
14	MISCELLANEOUS	A copy of the clearance letter shall be sent by the proponent to be concerned Panchayat, Zila Parishad, Municipal Corporation, Urban Local Body, and the Local NGO, if any, from whom suggestions/representations, if any, were received while processing the proposal. The clearance letter shall also be put on the website of

		the Company by the proponent.
<p><b>PPs Submission:</b> Complied Copies of the EC have been submitted to the relevant authorities, Panchayat, Jira Parishad, local governments, and municipalities at the time of grant of EC. The EC letter was also published on our website public domain.</p>		<p>Date: 23/05/2026</p>
15	MISCELLANEOUS	The State Pollution Control Board should display a copy of the clearance letter at the Regional Office, District Industry Centre, and the Collector s Office/ Tehsildar s Office for 30 days
<p><b>PPs Submission:</b> Complied Noted</p>		<p>Date: 28/05/2026</p>
16	Statutory compliance	The environmental statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of environmental clearance conditions and shall also be sent to the Regional Office of the Ministry of Environment and Forests, Lucknow by e-mail.
<p><b>PPs Submission:</b> Being Complied The Environmental Statement Report for financial year 2024-25 has been submitted on 24th September 2025.</p>		<p>Date: 23/05/2026</p>
17	Statutory compliance	The project authorities should advertise at least in two local newspapers widely circulated, one of which shall be in the vernacular language of the locality concerned, within 7 days of the issue of the clearance letter informing that the project has been accorded environmental clearance and a copy of the clearance letter is available with the State Pollution Control Board and also at website of the Ministry of Environment and Forests at <a href="http://envfor.nic.in">http://envfor.nic.in</a> and a copy of the same should be forwarded to the Regional Office of this Ministry located at Lucknow.
<p><b>PPs Submission:</b> Complied Copy of clearance was already published in two local newspaper at the time of Grant of EC.</p>		<p>Date: 23/05/2026</p>
18	Statutory compliance	The project proponent shall submit six monthly reports on the status of compliance of the stipulated environmental clearance conditions including results of monitored data (both in hard copies as well as by e-mail) to the Ministry of Environment and Forests, its Regional Office located at Lucknow, the respective Zonal Office of Central Pollution Control Board the State Pollution Control Board. The proponent shall upload the status of compliance of the environmental clearance conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the regional office of the Ministry of Environment and Forests, Lucknow, the respective Zonal Office of Central Pollution Control Board, and the State Pollution Control Board.
<p><b>PPs Submission:</b> Complied The copy has been sent to the appropriate authorities and uploaded to the J K Cement Ltd company's website. The link of website is mentioned below: <a href="https://www.jkcement.com/environmental-compliance">https://www.jkcement.com/environmental-compliance</a></p>		<p>Date: 23/05/2026</p>

## Visit Remarks

**Last Site Visit  
Report Date:**

N/A

**Additional  
Remarks:**

Mangrol Limestone Mine (M.L. No.: 26/08, Area - 132.00 ha.) M/s. J. K. Cement Works, at Village - Mangrol, Tehsil - Nimbahera, District - Chittorgarh, Rajasthan-312617 EC Compliance Report for the period: April 2025 TO September 2025

**Note:** This acknowledgement is as per the details submitted by project proponent. In no way is this document to be considered as conclusion on any action on the compliance of the project. This is strictly for the project proponent's reference purpose.

**Garland Drain**





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E-mail: jmenvirolab@hotmail.com www.jmenvirolab.com



## TEST REPORT

Sample Number:	<b>JME/JKCMLW/12</b>	Report No.:	<b>JME/W/260218012</b>
Name & Address of Unit:	<b>M/s. J.K Cement Works, Mangrol Mangrol Limestone Mine, ML No. 26/08, Village- Mangrol, Tehsil- Nimbahera- 312617 District- Chittorgarh, Rajasthan</b>	Format No.:	<b>7.8 F-01</b>
Sample Description:	<b>Ground Water</b>	Party Reference No.:	<b>Nil</b>
Sample Location:	<b>Borewell No. 1</b>	Reporting Date:	<b>24/02/2026</b>
Client Representative (Name & Designation):	<b>Mr. Ajay Sharma (Senior Manager- Environment)</b>	Analysis Completion Date:	<b>24/02/2026</b>
Sample collected by:	<b>JMELPL Team</b>	Analysis Start Date:	<b>18/02/2026</b>
Parameter Required:	<b>As per work order</b>	Receipt Date:	<b>18/02/2026</b>
Packing Status:	<b>Temporary Sealed</b>	Sampling Date:	<b>17/02/2026</b>
Sampling Protocol:	<b>JMELPL/STOP/04</b>	Sampling Type:	<b>Grab</b>
		Preservation:	<b>Refrigerated</b>
		Environmental condition during sampling:	<b>Amb. Temp. 27°C; Clear Sky</b>
		Sample Quantity:	<b>Approx 5.0 Litre</b>

## TEST RESULTS

S. No.	Test Parameter	Test Method	Result	Unit	Specification as per IS 10500-2012	
					Requirement Acceptable Limit	Permissible Limit in the Absence of Alternate Source
1.	pH (at 25 °C)	IS:3025 (Part-11)	7.73	-	6.5 to 8.5	No Relaxation
2.	Colour	IS:3025 (Part 4)	BDL (DL 1.0)	Hazen Unit	5	15
3.	Turbidity	IS:3025 (Part-10)	BDL (DL 1.0)	NTU	1	5
4.	Odour	IS:3025 (Part-5)	Agreeable	-	Agreeable	Agreeable
5.	Taste	IS:3025 (Part-8)	Agreeable	-	Agreeable	Agreeable
6.	Total Hardness as CaCO <sub>3</sub>	IS:3025 (Part-21)	234.0	mg/l	200	600
7.	Calcium as Ca	IS:3025 (Part-40)	68.1	mg/l	75	200
8.	Total Alkalinity as CaCO <sub>3</sub>	IS:3025 (Part-23)	187.0	mg/l	200	600
9.	Chloride as Cl	IS:3025 (Part-32)	106.9	mg/l	250	1000
10.	Residual Chlorine	IS:3025 (Part-26)	BDL (DL 0.20)	mg/l	0.2	1.0
11.	Cyanide	IS:3025 (Part-27) sec 1	BDL (DL 0.02)	mg/l	0.05	No Relaxation
12.	Magnesium	IS:3025 (Part-46)	15.57	mg/l	30	100
13.	Total Dissolved Solid	IS:3025 (Part-16)	451.0	mg/l	500	2000
14.	Sulphate as SO <sub>4</sub>	APHA 24th Edition, 4500-SO4-E	43.2	mg/l	200	400
15.	Fluoride as F	APHA 24th Edition, 4500-F- D	0.62	mg/l	1	1.5
16.	Nitrate Nitrogen (as NO <sub>3</sub> )	IS:3025 (Part-34) sec 1: Para 6.3, Cadmium reduction method	11.4	mg/l	45	No Relaxation
17.	Iron	IS:3025 (Part-53)	0.07	mg/l	1	No Relaxation
18.	Aluminium	IS:3025 (Part-55)	BDL (DL 0.03)	mg/l	0.03	0.2
19.	Boron	IS:3025 (Part-57)	BDL (DL 0.20)	mg/l	0.5	2.4

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Pallavi Verma

Checked by  
Abhishek Tiwari

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E-mail: jmenvirolab@hotmail.com www.jmenvirolab.com



CIN No. :U74220HR2011PTC085756

## TEST REPORT

Sample Number

JME/JKCMLW/12

Report No.:

JMEW/260218012

S. No.	Test Parameter	Test Method	Result	Unit	Specification as per IS 10500-2012	
					Requirement Acceptable Limit	Permissible Limit in the Absence of Alternate Source
20.	Phenols	APHA 24th Edition, 5530-Phenols-D, Direct Photometric	BDL (DL 0.001)	mg/l	0.001	0.002
21.	Anionic Surfactant	APHA 24th Edition, 5540-C	BDL (DL 0.02)	mg/l	0.2	1
22.	Hexa Chromium as Cr+6	IS:3025 (Part-52)	BDL (DL 0.03)	mg/l	--	--
23.	Zinc	IS:3025 (Part-49)	BDL (DL 0.1)	mg/l	5	15
24.	Copper	IS:3025 (Part-42)	BDL (DL 0.02)	mg/l	0.05	1.5
25.	Manganese	IS:3025 (Part-59)	BDL (DL 0.08)	mg/l	0.1	0.3
26.	Cadmium	IS:3025 (Part-41)	BDL (DL 0.002)	mg/l	0.003	No Relaxation
27.	Lead	IS:3025 (Part-47)	BDL (DL 0.008)	mg/l	0.01	No Relaxation
28.	Selenium	IS:3025 (Part-56)	BDL (DL 0.005)	mg/l	0.01	No Relaxation
29.	Arsenic	IS:3025 (Part-37)	BDL (DL 0.002)	mg/l	0.01	No Relaxation
30.	Mercury	IS:3025 (Part-48)	BDL (DL 0.001)	mg/l	0.001	No Relaxation

Note: BDL- Below Detection Limit, DL- Detection Limit

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Checked by

Anshika Tiwari



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## TEST REPORT

Sample Number:	<b>JME/JKCML/W/12</b>	Report No.:	<b>JME/W/260218012</b>
Name & Address of Unit:	<b>M/s. J.K Cement Works, Mangrol Mangrol Limestone Mine, ML No. 26/08, Village- Mangrol, Tehsil- Nimbahera- 312617 District- Chittorgarh, Rajasthan</b>	Format No.:	<b>7.8 F-01</b>
Sample Description:	<b>Ground Water</b>	Party Reference No.:	<b>Nil</b>
Sample Location:	<b>Borewell No. 1</b>	Reporting Date:	<b>24/02/2026</b>
Client Representative (Name & Designation):	<b>Mr. Ajay Sharma (Senior Manager- Environment)</b>	Analysis Completion Date:	<b>24/02/2026</b>
Sample collected by:	<b>JMELPL Team</b>	Analysis Start Date:	<b>18/02/2026</b>
Parameter Required:	<b>As per work order</b>	Receipt Date:	<b>18/02/2026</b>
Packing Status:	<b>Temporary Sealed</b>	Sampling Date:	<b>17/02/2026</b>
Sampling Protocol:	<b>JMELPL/STOP/04</b>	Sampling Type:	<b>Grab</b>
		Preservation:	<b>Refrigerated</b>
		Environmental condition during sampling:	<b>Amb. Temp. 27°C; Clear Sky</b>
		Sample Quantity:	<b>Approx 250 ml</b>

## TEST RESULTS

S. No.	Test Parameter	Test Method	Result	Unit	Specification as per IS 10500-2012
1.	E. Coli	IS 15185	Absent	per 100ml	Shall not be detectable in any 100 ml sample
2.	Total Coliform	IS 15185	Absent	per 100ml	Shall not be detectable in any 100 ml sample

Page 3 of 3

Checked by  
**Pallavi Verma**



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**Vineet Kumar**

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## TEST REPORT

Sample Number:	<b>JME/JKCML/SW/01</b>	Report No.:	<b>JME/SW/260218009</b>
Name & Address of Unit:	<b>M/s. J.K Cement Works, Mangrol Mangrol Limestone Mine, ML No. 26/08, Village- Mangrol, Tehsil- Nimbahera- 312617 District- Chittorgarh, Rajasthan</b>	Format No.:	<b>7.8 F-01</b>
Sample Description:	<b>Surface Water</b>	Party Reference No.:	<b>Nil</b>
Sample Location:	<b>Mangrol Mine Pit Water</b>	Reporting Date:	<b>24/02/2026</b>
Client Representative (Name & Designation):	<b>Mr. Ajay Sharma (Senior Manager- Environment)</b>	Analysis Completion Date:	<b>24/02/2026</b>
Sample collected by:	<b>JMELPL Team</b>	Analysis Start Date:	<b>18/02/2026</b>
Parameter Required:	<b>As per work order</b>	Receipt Date:	<b>18/02/2026</b>
Packing Status:	<b>Temporary Sealed</b>	Sampling Date:	<b>17/02/2026</b>
Sampling Protocol:	<b>JMELPL/STOP/04</b>	Sampling Type:	<b>Grab</b>
		Preservation:	<b>Refrigerated</b>
		Environmental condition during sampling:	<b>Amb. Temp. 27°C; Clear Sky</b>
		Sample Quantity:	<b>Approx 5.0 Litre</b>

## TEST RESULTS

S. No.	Test Parameter	Test Method	Result	Unit
1.	pH (at 25 °C)	IS:3025 (Part-11)	7.18	-
2.	Colour	IS:3025 (Part 4)	BDL (DL 1.0)	Hazen Unit
3.	Odour	IS:3025 (Part-5)	Agreeable	-
4.	Conductivity	APHA 24th Edition, 2501B	504.0	µS/cm
5.	Turbidity	IS:3025 (Part-10)	BDL (DL 1.0)	NTU
6.	Total Hardness as CaCO <sub>3</sub>	IS:3025 (Part-21)	197.0	mg/l
7.	Calcium as Ca	IS:3025 (Part-40)	51.7	mg/l
8.	Magnesium as Mg	IS:3025 (Part-46)	16.53	mg/l
9.	Chloride as Cl	IS:3025 (Part-32)	37.1	mg/l
10.	Total Alkalinity as CaCO <sub>3</sub>	IS:3025 (Part-23)	125.0	mg/l
11.	Residual Chlorine	IS:3025 (Part-26)	BDL (DL 0.2)	mg/l
12.	Cyanide	IS:3025 (Part-27)	BDL (DL 0.02)	mg/l
13.	Dissolved Oxygen	IS:3025 (Part-38)	7.9	mg/l
14.	Chemical Oxygen Demand (COD)	IS:3025 (Part-58)	BDL (DL 1.0)	mg/l
15.	Biochemical Oxygen Demand (BOD)	IS:3025 (Part-44)	BDL (DL 1.0)	mg/l
16.	Total Dissolved Solid	IS:3025 (Part-16)	354.0	mg/l
17.	Total Suspended Solid	IS:3025 (Part-17)	BDL (DL 1.0)	mg/l
18.	Sulphate as SO <sub>4</sub>	APHA 24th Edition, 4500-SO4- E	24.5	mg/l
19.	Fluoride as F	APHA 24th Edition, 4500-F- D	0.53	mg/l
20.	Nitrogen Nitrate (as NO <sub>3</sub> )	IS:3025 (Part-34)	5.16	mg/l
21.	Iron	IS:3025 (Part-53)	0.05	mg/l

Page 1 of 2

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## TEST REPORT

Sample Number: **JME/JKCML/SW/01**

Report No.: **JME/SW/260218009**

S. No.	Test Parameter	Test Method	Result	Unit
22.	Phosphate	IS:3025 (Part-31)	BDL (DL 0.02)	mg/l
23.	Phenols	APHA 24th Edition 5540-Phenols-D, Direct Photometric	BDL (DL 0.001)	mg/l
24.	Hexa Chromium as Cr6+	IS:3025 (Part-52)	BDL (DL 0.03)	mg/l
25.	Boron as B	IS:3025 (Part-57)	BDL (DL 0.2)	mg/l
26.	Aluminium	IS:3025 (Part-55)	BDL (DL 0.03)	mg/l
27.	Anionic Surfactant	APHA 24th Edition, 5540 C	BDL (DL 0.02)	mg/l
28.	Arsenic	IS:3025 (Part-37)	BDL (DL 0.002)	mg/l
29.	Mercury	IS:3025 (Part-48)	BDL (DL 0.001)	mg/l
30.	Selenium	IS:3025 (Part-56)	BDL (DL 0.005)	mg/l
31.	Cadmium	IS:3025 (Part-41)	BDL (DL 0.002)	mg/l
32.	Lead	IS:3025 (Part-47)	BDL (DL 0.008)	mg/l
33.	Nickel	IS:3025 (Part-54)	BDL (DL 0.005)	mg/l
34.	Zinc	IS:3025 (Part-49)	BDL (DL 0.1)	mg/l
35.	Manganese	IS:3025 (Part-59)	BDL (DL 0.08)	mg/l
36.	Copper	IS:3025 (Part-42)	BDL (DL 0.02)	mg/l

Note: BDL – Below Detection Limit, DL - Detection Limit

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## TEST REPORT

Sample Number:	<b>JME/JKCTL/SW/02</b>	Report No.:	<b>JME/SW/260218010</b>
Name & Address of Unit:	<b>M/s. J.K Cement Works, Mangrol Tilakhera Limestone Mine (M.L. No.: 07/97) at Village - Mangrol and Tilakhera, Tehsil - Nimbahera, District- Chittorgarh, Rajasthan-312617</b>	Format No.:	<b>7.8 F-01</b>
Sample Description:	<b>Surface Water</b>	Party Reference No.:	<b>Nil</b>
Sample Location:	<b>Tilakhera Mine Pit Water</b>	Reporting Date:	<b>24/02/2026</b>
Client Representative (Name & Designation):	<b>Mr. Ajay Sharma (Senior Manager- Environment)</b>	Analysis Completion Date:	<b>24/02/2026</b>
Sample collected by:	<b>JMELPL Team</b>	Analysis Start Date:	<b>18/02/2026</b>
Parameter Required:	<b>As per work order</b>	Receipt Date:	<b>18/02/2026</b>
Packing Status:	<b>Temporary Sealed</b>	Sampling Date:	<b>17/02/2026</b>
Sampling Protocol:	<b>JMELPL/STOP/04</b>	Sampling Type:	<b>Grab</b>
		Preservation:	<b>Refrigerated</b>
		Environmental condition during sampling:	<b>Amb. Temp. 27.5°C; Clear Sky</b>
		Sample Quantity:	<b>Approx 5.0 Litre</b>

### TEST RESULTS

S. No.	Test Parameter	Test Method	Result	Unit
1.	pH (at 25 °C)	IS:3025 (Part-11)	7.20	-
2.	Colour	IS:3025 (Part 4)	BDL (DL 1.0)	Hazen Unit
3.	Odour	IS:3025 (Part-5)	Agreeable	-
4.	Conductivity	APHA 24th Edition, 2501B	677.0	µS/cm
5.	Turbidity	IS:3025 (Part-10)	BDL (DL 1.0)	NTU
6.	Total Hardness as CaCO <sub>3</sub>	IS:3025 (Part-21)	229.0	mg/l
7.	Calcium as Ca	IS:3025 (Part-40)	59.2	mg/l
8.	Magnesium as Mg	IS:3025 (Part-46)	19.75	mg/l
9.	Chloride as Cl	IS:3025 (Part-32)	65.9	mg/l
10.	Total Alkalinity as CaCO <sub>3</sub>	IS:3025 (Part-23)	98.0	mg/l
11.	Residual Chlorine	IS:3025 (Part-26)	BDL (DL 0.2)	mg/l
12.	Cyanide	IS:3025 (Part-27)	BDL (DL 0.02)	mg/l
13.	Dissolved Oxygen	IS:3025 (Part-38)	8.1	mg/l
14.	Chemical Oxygen Demand (COD)	IS:3025 (Part-58)	BDL (DL 1.0)	mg/l
15.	Biochemical Oxygen Demand (BOD)	IS:3025 (Part-44)	BDL (DL 1.0)	mg/l
16.	Total Dissolved Solid	IS:3025 (Part-16)	416.0	mg/l
17.	Total Suspended Solid	IS:3025 (Part-17)	BDL (DL 1.0)	mg/l
18.	Sulphate as SO <sub>4</sub>	APHA 24th Edition, 4500-SO <sub>4</sub> - E	32.9	mg/l
19.	Fluoride as F	APHA 24th Edition, 4500-F- D	0.47	mg/l
20.	Nitrogen Nitrate (as NO <sub>3</sub> )	IS:3025 (Part-34)	2.84	mg/l
21.	Iron	IS:3025 (Part-53)	0.05	mg/l

Page 1 of 2



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Checked by  
**Ashishak Tiwari**

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## TEST REPORT

Sample Number: **JME/JKCTL/SW/02**

Report No.: **JME/SW/260218010**

S. No.	Test Parameter	Test Method	Result	Unit
22.	Phosphate	IS:3025 (Part-31)	BDL (DL 0.02)	mg/l
23.	Phenols	APHA 24th Edition 5540-Phenols-D, Direct Photometric	BDL (DL 0.001)	mg/l
24.	Hexa Chromium as Cr6+	IS:3025 (Part-52)	BDL (DL 0.03)	mg/l
25.	Boron as B	IS:3025 (Part-57)	BDL (DL 0.2)	mg/l
26.	Aluminium	IS:3025 (Part-55)	BDL (DL 0.03)	mg/l
27.	Anionic Surfactant	APHA 24th Edition, 5540 C	BDL (DL 0.02)	mg/l
28.	Arsenic	IS:3025 (Part-37)	BDL (DL 0.002)	mg/l
29.	Mercury	IS:3025 (Part-48)	BDL (DL 0.001)	mg/l
30.	Selenium	IS:3025 (Part-56)	BDL (DL 0.005)	mg/l
31.	Cadmium	IS:3025 (Part-41)	BDL (DL 0.002)	mg/l
32.	Lead	IS:3025 (Part-47)	BDL (DL 0.008)	mg/l
33.	Nickel	IS:3025 (Part-54)	BDL (DL 0.005)	mg/l
34.	Zinc	IS:3025 (Part-49)	BDL (DL 0.1)	mg/l
35.	Manganese	IS:3025 (Part-59)	BDL (DL 0.08)	mg/l
36.	Copper	IS:3025 (Part-42)	BDL (DL 0.02)	mg/l

Note: BDL – Below Detection Limit, DL - Detection Limit

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\*\*End of Report\*\*



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## TEST REPORT

Sample Number: **JME/JKCTLW/13**  
Name & Address of Unit: **M/s. J.K Cement Works, Mangrol  
Tilakhera Limestone Mine (M.L. No.: 07/97)  
at Village - Mangrol and Tilakhera,  
Tehsil - Nimbahera, District- Chittorgarh,  
Rajasthan-312617**  
Sample Description: **Ground Water**  
Sample Location: **Village- Shahbad (Handpump)**  
Client Representative (Name & Designation): **Mr. Ajay Sharma (Senior Manager- Environment)**  
Sample collected by: **JMELPL Team**  
Parameter Required: **As per work order**  
Packing Status: **Temporary Sealed**  
Sampling Protocol: **JMELPL/STOP/04**

Report No.: **JME/W/260218013**  
Format No.: **7.8 F-01**  
Party Reference No.: **Nil**  
Reporting Date: **24/02/2026**  
Analysis Completion Date: **24/02/2026**  
Analysis Start Date: **18/02/2026**  
Receipt Date: **18/02/2026**  
Sampling Date: **17/02/2026**  
Sampling Type: **Grab**  
Preservation: **Refrigerated**  
Environmental condition during sampling: **Amb. Temp. 27.5°C;  
Clear Sky**  
Sample Quantity: **Approx 5.0 Litre**

## TEST RESULTS

S. No.	Test Parameter	Test Method	Result	Unit	Specification as per IS 10500-2012	
					Requirement Acceptable Limit	Permissible Limit in the Absence of Alternate Source
1.	pH (at 25 °C)	IS:3025 (Part-11)	7.43	-	6.5 to 8.5	No Relaxation
2.	Colour	IS:3025 (Part 4)	BDL (DL 1.0)	Hazen Unit	5	15
3.	Turbidity	IS:3025 (Part-10)	BDL (DL 1.0)	NTU	1	5
4.	Odour	IS:3025 (Part-5)	Agreeable	-	Agreeable	Agreeable
5.	Taste	IS:3025 (Part-8)	Agreeable	-	Agreeable	Agreeable
6.	Total Hardness as CaCO3	IS:3025 (Part-21)	309.0	mg/l	200	600
7.	Calcium as Ca	IS:3025 (Part-40)	97.5	mg/l	75	200
8.	Total Alkalinity as CaCO3	IS:3025 (Part-23)	136.0	mg/l	200	600
9.	Chloride as Cl	IS:3025 (Part-32)	86.1	mg/l	250	1000
10.	Residual Chlorine	IS:3025 (Part-26)	BDL (DL 0.20)	mg/l	0.2	1.0
11.	Cyanide	IS:3025 (Part-27) sec 1	BDL (DL 0.02)	mg/l	0.05	No Relaxation
12.	Magnesium	IS:3025 (Part-46)	15.97	mg/l	30	100
13.	Total Dissolved Solid	IS:3025 (Part-16)	670.0	mg/l	500	2000
14.	Sulphate as SO4	APHA 24th Edition, 4500-SO4-E	20.6	mg/l	200	400
15.	Fluoride as F	APHA 24th Edition, 4500-F- D	0.37	mg/l	1	1.5
16.	Nitrate Nitrogen (as NO3)	IS:3025 (Part-34) sec 1: Para 6.3, Cadmium reduction method	15.4	mg/l	45	No Relaxation
17.	Iron	IS:3025 (Part-53)	0.07	mg/l	1	No Relaxation
18.	Aluminium	IS:3025 (Part-55)	BDL (DL 0.03)	mg/l	0.03	0.2
19.	Boron	IS:3025 (Part-57)	BDL (DL 0.20)	mg/l	0.5	2.4

Page 1 of 3

Checked by  
**Abhishek Tiwari**

Reviewed & Authorized by  
**Pallavi Verma**

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## TEST REPORT

Sample Number

JME/JKCTLW/13

Report No.:

JMEW/260218013

S. No.	Test Parameter	Test Method	Result	Unit	Specification as per IS 10500-2012	
					Requirement Acceptable Limit	Permissible Limit in the Absence of Alternate Source
20.	Phenols	APHA 24th Edition, 5530-Phenols-D, Direct Photometric	BDL (DL 0.001)	mg/l	0.001	0.002
21.	Anionic Surfactant	APHA 24th Edition, 5540-C	BDL (DL 0.02)	mg/l	0.2	1
22.	Hexa Chromium as Cr+6	IS:3025 (Part-52)	BDL (DL 0.03)	mg/l	--	--
23.	Zinc	IS:3025 (Part-49)	BDL (DL 0.1)	mg/l	5	15
24.	Copper	IS:3025 (Part-42)	BDL (DL 0.02)	mg/l	0.05	1.5
25.	Manganese	IS:3025 (Part-59)	BDL (DL 0.08)	mg/l	0.1	0.3
26.	Cadmium	IS:3025 (Part-41)	BDL (DL 0.002)	mg/l	0.003	No Relaxation
27.	Lead	IS:3025 (Part-47)	BDL (DL 0.008)	mg/l	0.01	No Relaxation
28.	Selenium	IS:3025 (Part-56)	BDL (DL 0.005)	mg/l	0.01	No Relaxation
29.	Arsenic	IS:3025 (Part-37)	BDL (DL 0.002)	mg/l	0.01	No Relaxation
30.	Mercury	IS:3025 (Part-48)	BDL (DL 0.001)	mg/l	0.001	No Relaxation

Note: BDL- Below Detection Limit, DL- Detection Limit

Page 2 of 3

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CIN No. :U74220HR2011PTC085750

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## TEST REPORT

Sample Number:	<b>JME/JKCTLW/13</b>	Report No.:	<b>JME/W/260218013</b>
Name & Address of Unit:	<b>M/s. J.K Cement Works, Mangrol Tilakhera Limestone Mine (M.L. No.: 07/97) at Village - Mangrol and Tilakhera, Tehsil - Nimbahera, District- Chittorgarh, Rajasthan-312617 Ground Water</b>	Format No.:	<b>7.8 F-01</b>
Sample Description:	<b>Ground Water</b>	Party Reference No.:	<b>Nil</b>
Sample Location:	<b>Village- Shahbad (Handpump)</b>	Reporting Date:	<b>24/02/2026</b>
Client Representative (Name & Designation):	<b>Mr. Ajay Sharma (Senior Manager- Environment)</b>	Analysis Completion Date:	<b>24/02/2026</b>
Sample collected by:	<b>JMELPL Team</b>	Analysis Start Date:	<b>18/02/2026</b>
Parameter Required:	<b>As per work order</b>	Receipt Date:	<b>18/02/2026</b>
Packing Status:	<b>Temporary Sealed</b>	Sampling Date:	<b>17/02/2026</b>
Sampling Protocol:	<b>JMELPL/STOP/04</b>	Sampling Type:	<b>Grab</b>
		Preservation:	<b>Refrigerated</b>
		Environmental condition during sampling:	<b>Amb. Temp. 27.5°C; Clear Sky</b>
		Sample Quantity:	<b>Approx 250 ml</b>

### TEST RESULTS

S. No.	Test Parameter	Test Method	Result	Unit	Specification as per IS 10500-2012
1.	<i>E. Coli</i>	IS 15185	Absent	per 100ml	Shall not be detectable in any 100 ml sample
2.	Total Coliform	IS 15185	Absent	per 100ml	Shall not be detectable in any 100 ml sample

Page 3 of 3

Checked by  
**Pallavi Verma**

Reviewed & Authorized by  
**Vineet Kumar**

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\*\*End of Report\*\*

**Parameter Report**

**JK Cement Works**

**Generated On :** 2026-05-28 13:13:56

**Generated By :** Environment Nimbahera

**Duration :** 2025-10-01T00:00:00+05:30 - 2026-03-31T23:59:00+05:30

**Sub Locations :** Telemetry BW\_9 (Mangrol Mine Mine)

**Parameters :** Water Level

S.no	Time	Telemetry BW_9 (Mangrol Mine Mine) Water Level (m)(avg)
1	2025-10-01T00:00:00+05:30	9.75
2	2025-11-01T00:00:00+05:30	10.12
3	2025-12-01T00:00:00+05:30	14.77
4	2026-01-01T00:00:00+05:30	22.9
5	2026-02-01T00:00:00+05:30	31.83
6	2026-03-01T00:00:00+05:30	39.27

## Check Dam & Mines Pit





Wet Drilling



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## TEST REPORT

Sample Number: **JME/JKMLM/A/01** Report No.: **JME/A/260216005**  
Name & Address of Unit: **M/s. J.K Cement Works, Mangrol** Format No.: **7.8 F-02**  
**Village- Mangrol & Tilakhera,** Party Reference No.: **Nil**  
**Tehsil- Nimbahera- 312617** Reporting Date: **20/02/2026**  
**District- Chittorgarh, Rajasthan** Analysis Completion Date: **20/02/2026**  
Analysis Start Date: **16/02/2026**  
Receipt Date: **16/02/2026**

Sample Description: **AMBIENT AIR QUALITY MONITORING**

### General Information

Client Representative (Name & Designation)  
Sample collected by  
Sampling Location  
Latitude  
Longitude  
Instrument used  
Instrument code  
Instrument Calibration Status  
Scope of Monitoring  
Meteorological condition during monitoring  
Date of Monitoring  
Time of Monitoring  
Duration of Monitoring, (minutes)  
Ambient Temperature (°C)  
Surrounding activity  
Control measure if Any  
Sampling Protocol  
Parameter Required

**Mr. Ajay Sharma (Senior Manager- Environment)**  
**JMELPL Team**  
**Near Mines Office**  
**24° 42' 11" N**  
**74° 41' 5" E**  
**RDS, FPS & BS**  
**JME/RDS/01/09, JME/FPS/02/01 & JME/BS/01/07**  
**Calibrated**  
**Regulatory Requirement**  
**Clear Sky**  
**13/02/2026 to 14/02/2026**  
**12:05 to 12:01 Hrs.**  
**1368.0**  
**Max 29°C, Min 14°C**  
**Mining Operation & Vehicular Activities**  
**--**  
**JMELPL/STOP/04**  
**As per work order**

### TEST RESULTS

S. No.	Test Parameter	Test Method	Result	Unit	NAAQS
1.	Ammonia	IS: 5182, (Part-25)	15.6	µg/m <sup>3</sup>	400 (24 hourly)
2.	Arsenic	JMELPL/STOP/03	BDL (DL 0.5)	ng/m <sup>3</sup>	6 (Annual)
3.	Benzene	IS:5182, (Part-11)	BDL (DL 1.0)	µg/m <sup>3</sup>	5 (Annual)
4.	Benzo (a) Pyrene	IS:5182, (Part-12)	BDL (DL 0.5)	ng/m <sup>3</sup>	1 (Annual)
5.	Carbon Monoxide	IS: 5182, (Part-10)	BDL (DL 0.50)	mg/m <sup>3</sup>	4 (1 hourly)
6.	Lead	IS: 5182, (Part-22)	BDL (DL 0.02)	µg/m <sup>3</sup>	1 (24 hourly)
7.	Nickel	IS: 5182, (Part-26)	BDL (DL 1.0)	ng/m <sup>3</sup>	20 (Annual)

Page 1 of 2

Checked by  
**Ritika Saini**

Reviewed & Authorized by  
**Sita Ram Yadav**

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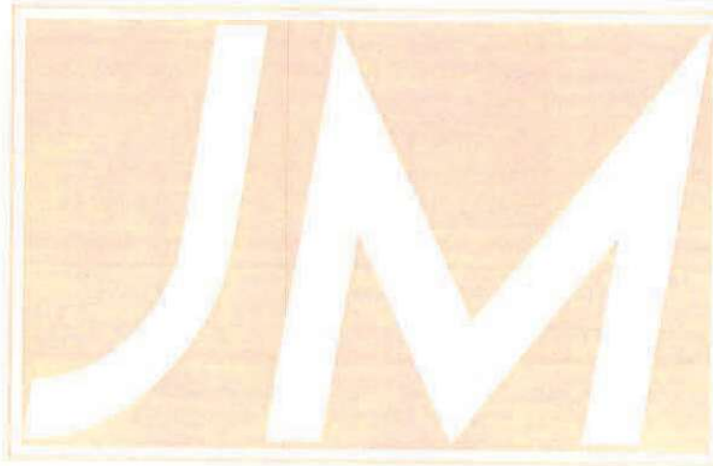
## TEST REPORT

Sample Number: **JME/JKMLM/A/01**

Report No.: **JME/A/260216005**

S. No.	Test Parameter	Test Method	Result	Unit	NAAQS
8.	Nitrogen Dioxide (NO <sub>2</sub> )	IS: 5182, (Part-6)	19.1	µg/m <sup>3</sup>	80 (24 hourly)
9.	Ozone	IS: 5182, (Part-9)	12.4	µg/m <sup>3</sup>	180 (1 hourly)
10.	PM <sub>10</sub>	IS:5182, (Part-23)	76.8	µg/m <sup>3</sup>	100 (24 hourly)
11.	PM <sub>2.5</sub>	IS:5182, (Part-24)	37.2	µg/m <sup>3</sup>	60 (24 hourly)
12.	Sulphur Dioxide (SO <sub>2</sub> )	IS: 5182, (Part-2) sec 1	10.5	µg/m <sup>3</sup>	80 (24 hourly)

Note: NAAQS-National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)] [Part-II sec.-3(i)] 18.11.2009  
BDL- Below Detection Limit, DL- Detection Limit



Page 2 of 2

Checked by  
*Ritika Sahni*  
Ritika Sahni

Reviewed & Authorized by  
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Sita Ram Yadav

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## TEST REPORT

Sample Number: **JME/JKMLM/A/02** Report No.: **JME/A/260216006**  
Name & Address of Unit: **M/s. J.K Cement Works, Mangrol** Format No.: **7.8 F-02**  
**Mangrol Limestone Mine, ML No. 26/08,** Party Reference No.: **Nil**  
**Village- Mangrol, Tehsil- Nimbahera- 312617** Reporting Date: **20/02/2026**  
**District- Chittorgarh, Rajasthan** Analysis Completion Date: **20/02/2026**  
Analysis Start Date: **16/02/2026**  
Receipt Date: **16/02/2026**

Sample Description: **AMBIENT AIR QUALITY MONITORING**

### General Information

Client Representative (Name & Designation)

**Mr. Ajay Sharma (Senior Manager- Environment)**

Sample collected by

**JMELPL Team**

Sampling Location

**Village- Mangrol**

Latitude

----

Longitude

----

Instrument used

**RDS, FPS & BS**

Instrument code

**JME/RDS/02/05, JME/FPS/02/05 & JME/BS/01/03**

Instrument Calibration Status

**Calibrated**

Scope of Monitoring

**Regulatory Requirement**

Meteorological condition during monitoring

**Clear Sky**

Date of Monitoring

**13/02/2026 to 14/02/2026**

Time of Monitoring

**12:50 to 12:45 Hrs.**

Duration of Monitoring, (minutes)

**1309.0**

Ambient Temperature (°C)

**Max 29°C, Min 14°C**

Surrounding activity

**Mining Operation & Vehicular Activities**

Control measure if Any

---

Sampling Protocol

**JMELPL/STOP/04**

Parameter Required

**As per work order**

### TEST RESULTS

S. No.	Test Parameter	Test Method	Result	Unit	NAAQS
1.	Ammonia	IS: 5182, (Part-25)	23.9	µg/m <sup>3</sup>	400 (24 hourly)
2.	Arsenic	JMELPL/STOP/03	BDL (DL 0.5)	ng/m <sup>3</sup>	6 (Annual)
3.	Benzene	IS:5182, (Part-11)	BDL (DL 1.0)	µg/m <sup>3</sup>	5 (Annual)
4.	Benzo (a) Pyrene	IS:5182, (Part-12)	BDL (DL 0.5)	ng/m <sup>3</sup>	1 (Annual)
5.	Carbon Monoxide	IS: 5182, (Part-10)	BDL (DL 0.50)	mg/m <sup>3</sup>	4 (1 hourly)
6.	Lead	IS: 5182, (Part-22)	BDL (DL 0.02)	µg/m <sup>3</sup>	1 (24 hourly)
7.	Nickel	IS: 5182, (Part-26)	BDL (DL 1.0)	ng/m <sup>3</sup>	20 (Annual)

Page 1 of 2

*Ritika Saini*  
Checked by  
Ritika Saini



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CIN No.:U74220HR2011PTC085756

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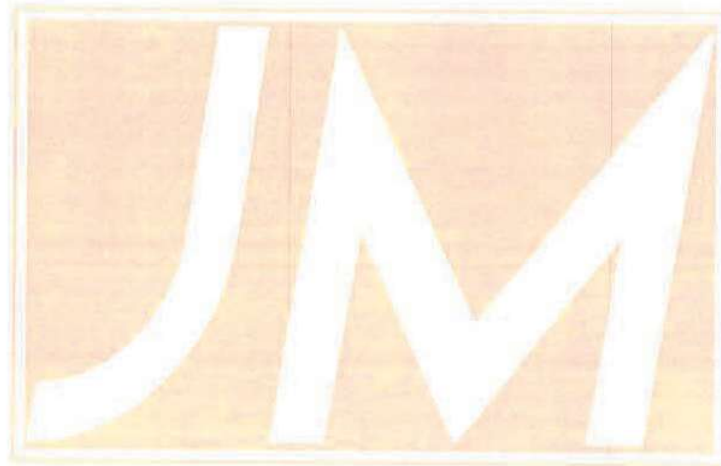
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## TEST REPORT

Sample Number: **JME/JKMLM/A/02**Report No.: **JME/A/260216006**

S. No.	Test Parameter	Test Method	Result	Unit	NAAQS
8.	Nitrogen Dioxide (NO <sub>2</sub> )	IS: 5182, (Part-6)	20.1	µg/m <sup>3</sup>	80 (24 hourly)
9.	Ozone	IS: 5182, (Part-9)	14.8	µg/m <sup>3</sup>	180 (1 hourly)
10.	PM <sub>10</sub>	IS:5182, (Part-23)	64.9	µg/m <sup>3</sup>	100 (24 hourly)
11.	PM <sub>2.5</sub>	IS:5182, (Part-24)	36.2	µg/m <sup>3</sup>	60 (24 hourly)
12.	Sulphur Dioxide (SO <sub>2</sub> )	IS: 5182, (Part-2) sec 1	9.9	µg/m <sup>3</sup>	80 (24 hourly)

Note: NAAQS-National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)] [Part-II sec.-3(i)] 18.11.2009.  
BDL- Below Detection Limit, DL- Detection Limit

Page 2 of 2

*Ritika*  
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**\*\*End of Report\*\***



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## TEST REPORT

Sample Number: **JME/JKMLM/A/03** Report No.: **JME/A/260216007**  
Name & Address of Unit: **M/s. J.K Cement Works, Mangrol** Format No.: **7.8 F-02**  
**Mangrol Limestone Mine, ML No. 26/08,** Party Reference No.: **Nil**  
**Village- Mangrol, Tehsil- Nimbahera- 312617** Reporting Date: **20/02/2026**  
**District- Chhittorgarh, Rajasthan** Analysis Completion Date: **20/02/2026**  
Analysis Start Date: **16/02/2026**  
Receipt Date: **16/02/2026**

Sample Description: **AMBIENT AIR QUALITY MONITORING**

### General Information

Client Representative (Name & Designation)	<b>Mr. Ajay Sharma (Senior Manager- Environment)</b>
Sample collected by	<b>JMELPL Team</b>
Sampling Location	<b>Village- Tie</b>
Latitude	--
Longitude	--
Instrument used	<b>RDS, FPS &amp; BS</b>
Instrument code	<b>JME/RDS/02/05, JME/FPS/02/05 &amp; JME/BS/01/03</b>
Instrument Calibration Status	<b>Calibrated</b>
Scope of Monitoring	<b>Regulatory Requirement</b>
Meteorological condition during monitoring	<b>Clear Sky</b>
Date of Monitoring	<b>14/02/2026 to 15/02/2026</b>
Time of Monitoring	<b>14:15 to 14:08 Hrs.</b>
Duration of Monitoring, (minutes)	<b>1317.0</b>
Ambient Temperature (°C)	<b>Max 28°C, Min 15°C</b>
Surrounding activity	<b>Mining Operation &amp; Vehicular Activities</b>
Control measure if Any	--
Sampling Protocol	<b>JMELPL/STOP/04</b>
Parameter Required	<b>As per work order</b>

### TEST RESULTS

S. No.	Test Parameter	Test Method	Result	Unit	NAAQS
1.	Ammonia	IS: 5182, (Part-25)	20.9	µg/m <sup>3</sup>	400 (24 hourly)
2.	Arsenic	JMELPL/STOP/03	BDL (DL 0.5)	ng/m <sup>3</sup>	6 (Annual)
3.	Benzene	IS:5182, (Part-11)	BDL (DL 1.0)	µg/m <sup>3</sup>	5 (Annual)
4.	Benzo (a) Pyrene	IS:5182, (Part-12)	BDL (DL 0.5)	ng/m <sup>3</sup>	1 (Annual)
5.	Carbon Monoxide	IS: 5182, (Part-10)	BDL (DL 0.50)	mg/m <sup>3</sup>	4 (1 hourly)
6.	Lead	IS: 5182, (Part-22)	BDL (DL 0.02)	µg/m <sup>3</sup>	1 (24 hourly)
7.	Nickel	IS: 5182, (Part-26)	BDL (DL 1.0)	ng/m <sup>3</sup>	20 (Annual)

Page 1 of 2

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TC-6821

CIN No.: U74220HR2011PTC085756

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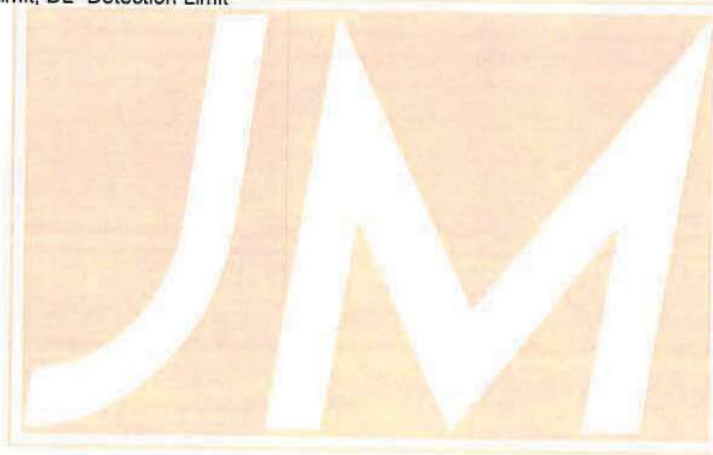
## TEST REPORT

Sample Number: **JME/JKMLM/A/03**

Report No.: **JME/A/260216007**


S. No.	Test Parameter	Test Method	Result	Unit	NAAQS
8.	Nitrogen Dioxide (NO <sub>2</sub> )	IS: 5182, (Part-6)	18.7	µg/m <sup>3</sup>	80 (24 hourly)
9.	Ozone	IS: 5182, (Part-9)	13.1	µg/m <sup>3</sup>	180 (1 hourly)
10.	PM <sub>10</sub>	IS:5182, (Part-23)	62.6	µg/m <sup>3</sup>	100 (24 hourly)
11.	PM <sub>2.5</sub>	IS:5182, (Part-24)	30.4	µg/m <sup>3</sup>	60 (24 hourly)
12.	Sulphur Dioxide (SO <sub>2</sub> )	IS: 5182, (Part-2) sec 1	10.2	µg/m <sup>3</sup>	80 (24 hourly)

Note: NAAQS-National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)] [Part-II sec.-3(i)] 18.11.2009.  
BDL- Below Detection Limit, DL- Detection Limit



Page 2 of 2

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\*\*End of Report\*\*



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E-mail: jmenvirolab@hotmail.com www.jmenvirolab.com



## TEST REPORT

Sample Number: **JME/JKMLM/A/04** Report No.: **JME/A/260216008**  
Name & Address of Unit: **M/s. J.K Cement Works, Mangrol** Format No.: **7.8 F-02**  
**Mangrol Limestone Mine, ML No. 26/08,** Party Reference No.: **NII**  
**Village- Mangrol, Tehsil- Nimbahera- 312617** Reporting Date: **20/02/2026**  
**District- Chittorgarh, Rajasthan** Analysis Completion Date: **20/02/2026**  
Analysis Start Date: **16/02/2026**  
Receipt Date: **16/02/2026**

Sample Description: **AMBIENT AIR QUALITY MONITORING**

### General Information

Client Representative (Name & Designation)

**Mr. Ajay Sharma (Senior Manager- Environment)**

Sample collected by

**JMELPL Team**

Sampling Location

**Near Ravana Office**

Latitude

--

Longitude

--

Instrument used

**RDS, FPS & BS**

Instrument code

**JME/RDS/01/09, JME/FPS/02/01 & JME/BS/01/07**

Instrument Calibration Status

**Calibrated**

Scope of Monitoring

**Regulatory Requirement**

Meteorological condition during monitoring

**Clear Sky**

Date of Monitoring

**14/02/2026 to 15/02/2026**

Time of Monitoring

**14:30 to 14:26 Hrs.**

Duration of Monitoring, (minutes)

**1321.0**

Ambient Temperature (°C)

**Max 28°C, Min 15°C**

Surrounding activity

**Mining Operation & Vehicular Activities**

Control measure if Any

--

Sampling Protocol

**JMELPL/STOP/04**

Parameter Required

**As per work order**

### TEST RESULTS

S. No.	Test Parameter	Test Method	Result	Unit	NAAQS
1.	Ammonia	IS: 5182, (Part-25)	15.7	µg/m <sup>3</sup>	400 (24 hourly)
2.	Arsenic	JMELPL/STOP/03	BDL (DL 0.5)	ng/m <sup>3</sup>	6 (Annual)
3.	Benzene	IS:5182, (Part-11)	BDL (DL 1.0)	µg/m <sup>3</sup>	5 (Annual)
4.	Benzo (a) Pyrene	IS:5182, (Part-12)	BDL (DL 0.5)	ng/m <sup>3</sup>	1 (Annual)
5.	Carbon Monoxide	IS: 5182, (Part-10)	BDL (DL 0.50)	mg/m <sup>3</sup>	4 (1 hourly)
6.	Lead	IS: 5182, (Part-22)	BDL (DL 0.02)	µg/m <sup>3</sup>	1 (24 hourly)
7.	Nickel	IS: 5182, (Part-26)	BDL (DL 1.0)	ng/m <sup>3</sup>	20 (Annual)

Page 1 of 2



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Sita Ram Yadav

Checked by  
Ritika Saini

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CIN No. :U74220HR2011PTC085756

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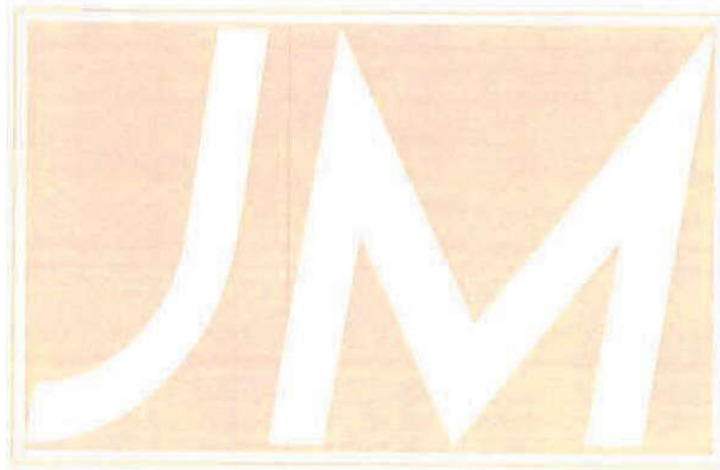
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## TEST REPORT

Sample Number: **JME/JKMLM/A/04**Report No.: **JME/A/260216008**

S. No.	Test Parameter	Test Method	Result	Unit	NAAQS
8.	Nitrogen Dioxide (NO <sub>2</sub> )	IS: 5182, (Part-6)	19.7	µg/m <sup>3</sup>	80 (24 hourly)
9.	Ozone	IS: 5182, (Part-9)	15.9	µg/m <sup>3</sup>	180 (1 hourly)
10.	PM <sub>10</sub>	IS:5182, (Part-23)	79.3	µg/m <sup>3</sup>	100 (24 hourly)
11.	PM <sub>2.5</sub>	IS:5182, (Part-24)	36.1	µg/m <sup>3</sup>	60 (24 hourly)
12.	Sulphur Dioxide (SO <sub>2</sub> )	IS: 5182, (Part-2) sec 1	11.6	µg/m <sup>3</sup>	80 (24 hourly)

Note: NAAQS-National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)] [Part-II sec.-3(i)] 18.11.2009.  
BDL- Below Detection Limit, DL- Detection Limit



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## TEST REPORT

Sample Number:	<b>JME/JKTLM/A/06</b>	Report No.:	<b>JME/A/260218010</b>
Name & Address of Unit:	<b>M/s. J.K Cement Works, Mangrol Tilakhera Limestone Mine (M.L. No.: 07/97) at Village - Mangrol and Tilakhera, Tehsil - Nimbahera, District- Chittorgarh, Rajasthan-312617</b>	Format No.:	<b>7.8 F-02</b>
		Party Reference No.:	<b>NII</b>
		Reporting Date:	<b>21/02/2026</b>
		Analysis Completion Date:	<b>21/02/2026</b>
		Analysis Start Date:	<b>18/02/2026</b>
		Receipt Date:	<b>18/02/2026</b>

Sample Description: **AMBIENT AIR QUALITY MONITORING**

### General Information

Client Representative (Name & Designation)	<b>Mr. Ajay Sharma (Senior Manager- Environment)</b>
Sample collected by	<b>JMELPL Team</b>
Sampling Location	<b>Village- Arniya Joshi</b>
Latitude	--
Longitude	--
Instrument used	<b>RDS, FPS &amp; BS</b>
Instrument code	<b>JME/RDS/01/09, JME/FPS/02/01 &amp; JME/BS/01/07</b>
Instrument Calibration Status	<b>Calibrated</b>
Scope of Monitoring	<b>Regulatory Requirement</b>
Meteorological condition during monitoring	<b>Clear Sky</b>
Date of Monitoring	<b>16/02/2026 to 17/02/2026</b>
Time of Monitoring	<b>15:20 to 15:26 Hrs.</b>
Duration of Monitoring, (minutes)	<b>1335.0</b>
Ambient Temperature (°C)	<b>Max 29°C, Min 11°C</b>
Surrounding activity	<b>Mining Operation &amp; Vehicular Activities</b>
Control measure if Any	--
Sampling Protocol	<b>JMELPL/STOP/04</b>
Parameter Required	<b>As per work order</b>

### TEST RESULTS

S. No.	Test Parameter	Test Method	Result	Unit	NAAQS
1.	Ammonia	IS: 5182, (Part-25)	24.6	µg/m <sup>3</sup>	400 (24 hourly)
2.	Arsenic	JMELPL/STOP/03	BDL (DL 0.5)	ng/m <sup>3</sup>	6 (Annual)
3.	Benzene	IS:5182, (Part-11)	BDL (DL 1.0)	µg/m <sup>3</sup>	5 (Annual)
4.	Benzo (a) Pyrene	IS:5182, (Part-12)	BDL (DL 0.5)	ng/m <sup>3</sup>	1 (Annual)
5.	Carbon Monoxide	IS: 5182, (Part-10)	BDL (DL 0.50)	mg/m <sup>3</sup>	4 (1 hourly)
6.	Lead	IS: 5182, (Part-22)	BDL (DL 0.02)	µg/m <sup>3</sup>	1 (24 hourly)
7.	Nickel	IS: 5182, (Part-26)	BDL (DL 1.0)	ng/m <sup>3</sup>	20 (Annual)



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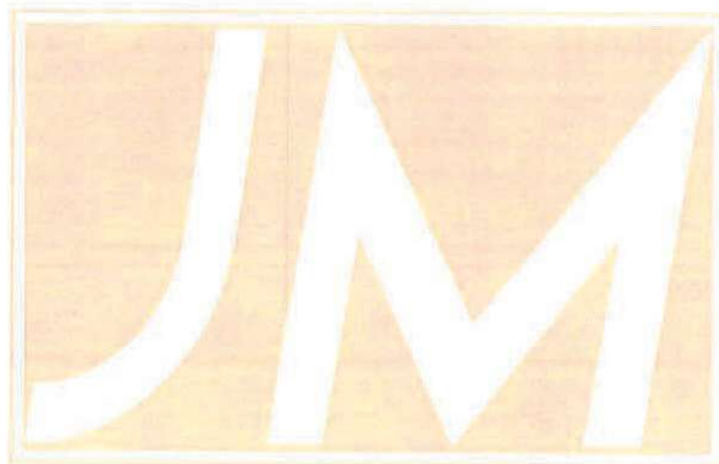
## TEST REPORT

Sample Number: **JME/JKTLM/A/06**

Report No.: **JME/A/260218010**

S. No.	Test Parameter	Test Method	Result	Unit	NAAQS
8.	Nitrogen Dioxide (NO <sub>2</sub> )	IS: 5182, (Part-6)	17.2	µg/m <sup>3</sup>	80 (24 hourly)
9.	Ozone	IS: 5182, (Part-9)	13.5	µg/m <sup>3</sup>	180 (1 hourly)
10.	PM <sub>10</sub>	IS:5182, (Part-23)	71.9	µg/m <sup>3</sup>	100 (24 hourly)
11.	PM <sub>2.5</sub>	IS:5182, (Part-24)	34.1	µg/m <sup>3</sup>	60 (24 hourly)
12.	Sulphur Dioxide (SO <sub>2</sub> )	IS: 5182, (Part-2) sec 1	7.8	µg/m <sup>3</sup>	80 (24 hourly)

Note: NAAQS-National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)] [Part-II sec.-3(i)] 18.11.2009.  
BDL- Below Detection Limit, DL- Detection Limit



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## TEST REPORT

Sample Number:	<b>JME/JKTLM/A/07</b>	Report No.:	<b>JME/A/260218011</b>
Name & Address of Unit:	<b>M/s. J.K Cement Works, Mangrol Tilakhera Limestone Mine (M.L. No.: 07/97) at Village - Mangrol and Tilakhera, Tehsil - Nimbahera, District- Chittorgarh, Rajasthan-312617</b>	Format No.:	<b>7.8 F-02</b>
		Party Reference No.:	<b>Nil</b>
		Reporting Date:	<b>21/02/2026</b>
		Analysis Completion Date:	<b>21/02/2026</b>
		Analysis Start Date:	<b>18/02/2026</b>
		Receipt Date:	<b>18/02/2026</b>

Sample Description: **AMBIENT AIR QUALITY MONITORING**

### General Information

Client Representative (Name & Designation)	<b>Mr. Ajay Sharma (Senior Manager- Environment)</b>
Sample collected by	<b>JMELPL Team</b>
Sampling Location	<b>Village- Shahbad</b>
Latitude	--
Longitude	--
Instrument used	<b>RDS, FPS &amp; BS</b>
Instrument code	<b>JME/RDS/02/05, JME/FPS/02/05 &amp; JME/BS/01/03</b>
Instrument Calibration Status	<b>Calibrated</b>
Scope of Monitoring	<b>Regulatory Requirement</b>
Meteorological condition during monitoring	<b>Clear Sky</b>
Date of Monitoring	<b>16/02/2026 to 17/02/2026</b>
Time of Monitoring	<b>15:45 to 15:48 Hrs.</b>
Duration of Monitoring, (minutes)	<b>1327.0</b>
Ambient Temperature (°C)	<b>Max 29°C, Min 16°C</b>
Surrounding activity	<b>Mining Operation &amp; Vehicular Activities</b>
Control measure if Any	--
Sampling Protocol	<b>JMELPL/STOP/04</b>
Parameter Required	<b>As per work order</b>

### TEST RESULTS

S. No.	Test Parameter	Test Method	Result	Unit	NAAQS
1.	Ammonia	IS: 5182, (Part-25)	18.5	µg/m <sup>3</sup>	400 (24 hourly)
2.	Arsenic	JMELPL/STOP/03	BDL (DL 0.5)	ng/m <sup>3</sup>	6 (Annual)
3.	Benzene	IS:5182, (Part-11)	BDL (DL 1.0)	µg/m <sup>3</sup>	5 (Annual)
4.	Benzo (a) Pyrene	IS:5182, (Part-12)	BDL (DL 0.5)	ng/m <sup>3</sup>	1 (Annual)
5.	Carbon Monoxide	IS: 5182, (Part-10)	BDL (DL 0.50)	mg/m <sup>3</sup>	4 (1 hourly)
6.	Lead	IS: 5182, (Part-22)	BDL (DL 0.02)	µg/m <sup>3</sup>	1 (24 hourly)
7.	Nickel	IS: 5182, (Part-26)	BDL (DL 1.0)	ng/m <sup>3</sup>	20 (Annual)

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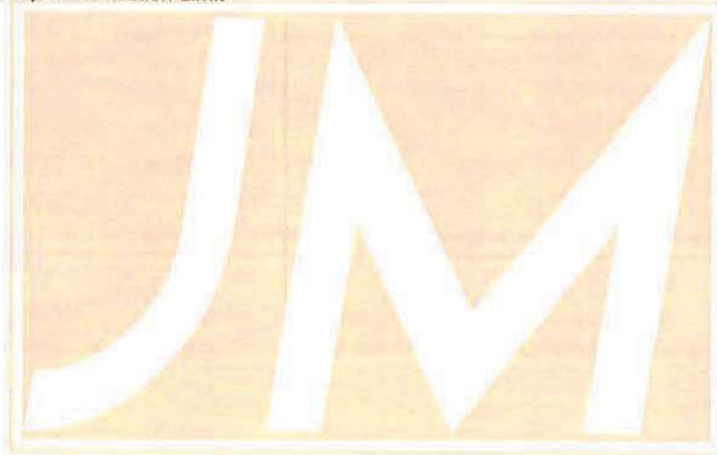
## TEST REPORT

Sample Number: **JME/JKTLM/A/07**

Report No.: **JME/A/260218011**

S. No.	Test Parameter	Test Method	Result	Unit	NAAQS
8.	Nitrogen Dioxide (NO <sub>2</sub> )	IS: 5182, (Part-6)	19.1	µg/m <sup>3</sup>	80 (24 hourly)
9.	Ozone	IS: 5182, (Part-9)	15.3	µg/m <sup>3</sup>	180 (1 hourly)
10.	PM <sub>10</sub>	IS:5182, (Part-23)	66.7	µg/m <sup>3</sup>	100 (24 hourly)
11.	PM <sub>2.5</sub>	IS:5182, (Part-24)	30.4	µg/m <sup>3</sup>	60 (24 hourly)
12.	Sulphur Dioxide (SO <sub>2</sub> )	IS: 5182, (Part-2) sec 1	9.8	µg/m <sup>3</sup>	80 (24 hourly)

Note: NAAQS-National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)] [Part-II sec.-3(i)] 18.11.2009.  
BDL- Below Detection Limit, DL- Detection Limit



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\*\*End of Report\*\*



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## TEST REPORT

Sample Number: **JME/JKTLM/A/08** Report No.: **JME/A/260219012**  
 Name & Address of Unit: **M/s. J.K Cement Works, Mangrol** Format No.: **7.8 F-02**  
**Tilakhera Limestone Mine (M.L. No.: 07/97)** Party Reference No.: **Nil**  
**at Village - Mangrol and Tilakhera,** Reporting Date: **21/02/2026**  
**Tehsil - Nimbahera, District- Chittorgarh,** Analysis Completion Date: **21/02/2026**  
**Rajasthan-312617** Analysis Start Date: **19/02/2026**  
 Sample Description: **AMBIENT AIR QUALITY MONITORING** Receipt Date: **19/02/2026**

### General Information

Client Representative (Name & Designation)	<b>Mr. Ajay Sharma (Senior Manager- Environment)</b>
Sample collected by	<b>JMELPL Team</b>
Sampling Location	<b>Near Ravana Office</b>
Latitude	--
Longitude	--
Instrument used	<b>RDS, FPS &amp; BS</b>
Instrument code	<b>JME/RDS/02/05, JME/FPS/02/05 &amp; JME/BS/01/03</b>
Instrument Calibration Status	<b>Calibrated</b>
Scope of Monitoring	<b>Regulatory Requirement</b>
Meteorological condition during monitoring	<b>Clear Sky</b>
Date of Monitoring	<b>17/02/2026 to 18/02/2026</b>
Time of Monitoring	<b>16:00 to 16:03 Hrs.</b>
Duration of Monitoring, (minutes)	<b>1322.0</b>
Ambient Temperature (°C)	<b>Max 27°C, Min 18°C</b>
Surrounding activity	<b>Mining Operation &amp; Vehicular Activities</b>
Control measure if Any	--
Sampling Protocol	<b>JMELPL/STOP/04</b>
Parameter Required	<b>As per work order</b>

### TEST RESULTS

S. No.	Test Parameter	Test Method	Result	Unit	NAAQS
1.	Ammonia	IS: 5182, (Part-25)	15.2	µg/m <sup>3</sup>	400 (24 hourly)
2.	Arsenic	JMELPL/STOP/03	BDL (DL 0.5)	ng/m <sup>3</sup>	6 (Annual)
3.	Benzene	IS:5182, (Part-11)	BDL (DL 1.0)	µg/m <sup>3</sup>	5 (Annual)
4.	Benzo (a) Pyrene	IS:5182, (Part-12)	BDL (DL 0.5)	ng/m <sup>3</sup>	1 (Annual)
5.	Carbon Monoxide	IS: 5182, (Part-10)	BDL (DL 0.50)	mg/m <sup>3</sup>	4 (1 hourly)
6.	Lead	IS: 5182, (Part-22)	BDL (DL 0.02)	µg/m <sup>3</sup>	1 (24 hourly)
7.	Nickel	IS: 5182, (Part-26)	BDL (DL 1.0)	ng/m <sup>3</sup>	20 (Annual)



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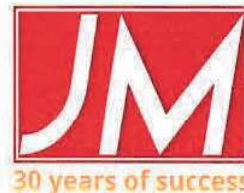




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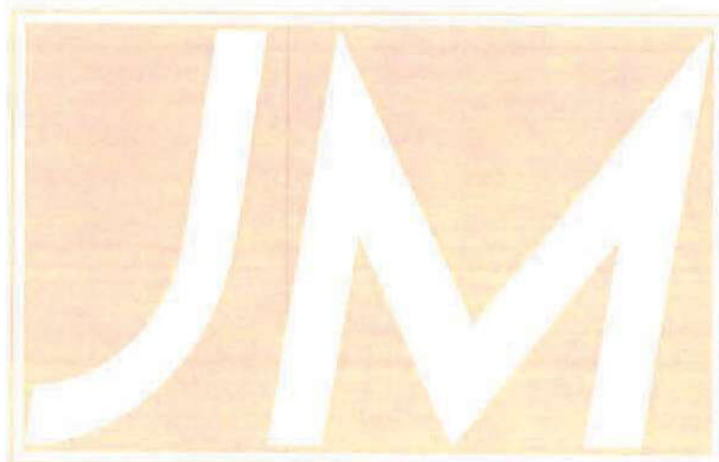
## TEST REPORT

Sample Number: **JME/JKTLM/A/08**

Report No.: **JME/A/260219012**

S. No.	Test Parameter	Test Method	Result	Unit	NAAQS
8.	Nitrogen Dioxide (NO <sub>2</sub> )	IS: 5182, (Part-6)	18.1	µg/m <sup>3</sup>	80 (24 hourly)
9.	Ozone	IS: 5182, (Part-9)	14.6	µg/m <sup>3</sup>	180 (1 hourly)
10.	PM <sub>10</sub>	IS:5182, (Part-23)	63.8	µg/m <sup>3</sup>	100 (24 hourly)
11.	PM <sub>2.5</sub>	IS:5182, (Part-24)	30.5	µg/m <sup>3</sup>	60 (24 hourly)
12.	Sulphur Dioxide (SO <sub>2</sub> )	IS: 5182, (Part-2) sec 1	8.9	µg/m <sup>3</sup>	80 (24 hourly)

Note: NAAQS-National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)] [Part-II sec.-3(i)] 18.11.2009.  
BDL- Below Detection Limit, DL- Detection Limit



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## TEST REPORT

Name & Address of Unit:	<b>M/s. J.K Cement Works, Mangrol Mangrol Limestone Mine, ML No. 28/08, Village- Mangrol, Tehsil- Nimbahera- 312617 District- Chittorgarh, Rajasthan</b>	Report No.:	<b>JME/AN/260216010-012</b>
Sample Description:	<b>AMBIENT NOISE LEVEL MONITORING</b>	Reporting Date:	<b>16/02/2026</b>
Sample Collected by:	<b>JMELPL TEAM</b>	Receipt Date:	<b>16/02/2026</b>
Client Representative:	<b>Mr. Ajay Sharma (Senior Manager- Environment)</b>	Equipment Used:	<b>Sound Level Meter</b>
		Duration of Monitoring:	<b>24 Hours</b>
		Sampling Protocol:	<b>JMELPL/STOP/04</b>
		Testing Protocol:	<b>IS-9989</b>

### TEST RESULTS

Monitoring Locations	Date of Monitoring	Day Time (06:00 AM to 10:00 PM)			Night Time (10:00 PM to 06:00 AM)		
		Min.	Max.	Leq in dB(A)	Min.	Max.	Leq in dB(A)
Village- Mangrol	13/02/2026 to 14/02/2026	42.9	61.4	52.7	37.1	53.9	40.4
Village- Tie	14/02/2026 to 15/02/2026	44.1	63.8	53.5	39.3	58.2	42.9
Near Ravana Office	14/02/2026 to 15/02/2026	47.4	67.2	56.1	42.5	54.8	45.3

### CPCB NOISE STANDARDS

Category of Zones	Leq in dB(A)	
	Day	Night
Industrial	75	70
Commercial	65	55
Residential	55	45
Silence Zone	50	40

- Day Time is from 06.00 AM to 10.00 PM.
  - Night Time is reckoned between 10.00 PM to 06.00 AM
  - Silence Zone is defined as an area up to 100m around premises of Hospitals, Educational Institutions and Courts. Use of vehicle horn, loudspeaker and bursting of crackers is banned in these zones.
- Note:** Mixed categories of areas be declared as one of the four above mentioned categories by the competent Authority and the corresponding standards shall apply

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Checked by  
Ritika Saini

*Sita Ram Yadav*  
Reviewed & Authorized by  
Sita Ram Yadav

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## TEST REPORT

Name & Address of Unit:	M/s. J.K Cement Works, Mangrol Tilakhera Limestone Mine (M.L. No.: 07/97) at Village - Mangrol and Tilakhera, Tehsil - Nimbahera, District- Chittorgarh, Rajasthan-312617	Report No.:	JME/AN/260219005-007
Sample Description:	AMBIENT NOISE LEVEL MONITORING	Reporting Date:	21/02/2026
Sample Collected by:	JMELPL TEAM	Receipt Date:	19/02/2026
Client Representative:	Mr. Ajay Sharma (Senior Manager- Environment)	Equipment Used:	Sound Level Meter
		Duration of Monitoring:	24 Hours
		Sampling Protocol:	JMELPL/STOP/04
		Testing Protocol:	IS-9989

### TEST RESULTS

Monitoring Locations	Date of Monitoring	Day Time (06:00 AM to 10:00 PM)			Night Time (10:00 PM to 06:00 AM)		
		Min.	Max.	Leq in dB(A)	Min.	Max.	Leq in dB(A)
Village- Arniya Joshi	16/02/2026 to 17/02/2026	42.1	60.2	52.5	37.1	52.7	42.3
Village- Shabad	16/02/2026 to 17/02/2026	42.7	64.3	51.6	38.4	56.9	43.5
Near Ravana Office	17/02/2026 to 18/02/2026	46.9	68.5	57.2	40.3	59.1	46.7

### CPCB NOISE STANDARDS

Category of Zones	Leq in dB(A)	
	Day	Night
Industrial	75	70
Commercial	65	55
Residential	55	45
Silence Zone	50	40

1. Day Time is from 06.00 AM to 10.00 PM.  
2. Night Time is reckoned between 10.00 PM to 06.00 AM  
3. Silence Zone is defined as an area up to 100m around premises of Hospitals, Educational Institutions and Courts. Use of vehicle horn, loudspeaker and bursting of crackers is banned in these zones.

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## TEST REPORT

Name & Address of Unit:	<b>M/s. J.K Cement Works, Mangrol at Village - Mangrol and Tilakhera, Tehsil - Nimbahera, District- Chittorgarh, Rajasthan-312617</b>	Report No.:	<b>JME/AN/260216013</b>
Sample Description:	<b>AMBIENT NOISE LEVEL MONITORING</b>	Reporting Date:	<b>21/02/2026</b>
Sample Collected by:	<b>JMELPL TEAM</b>	Receipt Date:	<b>16/02/2026</b>
Client Representative:	<b>Mr. Ajay Sharma (Senior Manager- Environment)</b>	Equipment Used:	<b>Sound Level Meter</b>
		Duration of Monitoring:	<b>24 Hours</b>
		Sampling Protocol:	<b>JMELPL/STOP/04</b>
		Testing Protocol:	<b>IS-9989</b>

### TEST RESULTS

Monitoring Locations	Date of Monitoring	Day Time (06:00 AM to 10:00 PM)			Night Time (10:00 PM to 06:00 AM)		
		Min.	Max.	Leq in dB(A)	Min.	Max.	Leq in dB(A)
Near Mines Office	13/02/2026 to 14/02/2026	44.9	62.2	53.9	39.5	54.7	43.1

### CPCB NOISE STANDARDS

Category of Zones	Leq in dB(A)	
	Day	Night
Industrial	75	70
Commercial	65	55
Residential	55	45
Silence Zone	50	40

1. Day Time is from 06.00 AM to 10.00 PM.  
2. Night Time is reckoned between 10.00 PM to 06.00 AM  
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**Checked by**  
*Ritika Sahni*



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## TEST REPORT

Name & Address of Unit:	<b>M/s. J.K Cement Works, Mangrol Mangrol Limestone Mine, ML No. 26/08, Village- Mangrol, Tehsil- Nimbahera- 312617 District- Chittorgarh, Rajasthan</b>	Report No.:	<b>JME/FD/260214025</b>
		Reporting Date:	<b>17/02/2026</b>
		Analysis Completion Date:	<b>17/02/2026</b>
		Analysis Start Date:	<b>14/02/2026</b>
		Receipt Date:	<b>14/02/2026</b>
Sample Description:	<b>FUGITIVE EMISSION</b>	Duration of Sampling:	<b>4 hours</b>
Sample Collected by:	<b>JMELPL TEAM</b>	Equipment Used:	<b>HVS</b>
Client Representative:	<b>Mr. Ajay Sharma (Senior Manager- Environment)</b>	Sampling Protocol:	<b>JMELPL/STOP/04</b>
		Testing Protocol:	<b>JMELPL/STOP/03</b>

### TEST RESULTS

S. No.	Sampling Location	Date of Monitoring	SPM ( $\mu\text{g}/\text{m}^3$ )	SO <sub>2</sub> ( $\mu\text{g}/\text{m}^3$ )	NO <sub>2</sub> ( $\mu\text{g}/\text{m}^3$ )	CO (mg/m <sup>3</sup> )
1.	Near Loading Site	14/02/2026	291.0	7.4	21.2	0.62

**Note:** As per CPCB Guideline (PROGRAMME OBJECTIVE SERIES PROBES/ 118 /2007)

1. Permissible limit for other than coal dust is 5000  $\mu\text{g}/\text{m}^3$
2. Permissible limit for Coal Dust is 2000  $\mu\text{g}/\text{m}^3$

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## TEST REPORT

Name & Address of Unit:	<b>M/s. J.K Cement Works, Mangrol Mangrol Limestone Mine, ML No. 26/08, Village- Mangrol, Tehsil- Nimbahera- 312617 District- Chittorgarh, Rajasthan</b>	Report No.:	<b>JME/FD/260216002</b>
		Reporting Date:	<b>20/02/2026</b>
		Analysis Completion Date:	<b>20/02/2026</b>
		Analysis Start Date:	<b>16/02/2026</b>
		Receipt Date:	<b>16/02/2026</b>
Sample Description:	<b>FUGITIVE EMISSION</b>	Duration of Sampling:	<b>4 hours</b>
Sample Collected by:	<b>JMELPL TEAM</b>	Equipment Used:	<b>HVS</b>
Client Representative:	<b>Mr. Ajay Sharma (Senior Manager- Environment)</b>	Sampling Protocol:	<b>JMELPL/STOP/04</b>
		Testing Protocol:	<b>JMELPL/STOP/03</b>

### TEST RESULTS

S. No.	Sampling Location	Date of Monitoring	SPM ( $\mu\text{g}/\text{m}^3$ )	SO <sub>2</sub> ( $\mu\text{g}/\text{m}^3$ )	NO <sub>2</sub> ( $\mu\text{g}/\text{m}^3$ )	CO (mg/m <sup>3</sup> )
1.	Near Drilling Site	14/02/2026	385.0	5.2	18.9	0.57

**Note:** As per CPCB Guideline (PROGRAMME OBJECTIVE SERIES PROBES/ 118 /2007)

1. Permissible limit for other than coal dust is 5000  $\mu\text{g}/\text{m}^3$
2. Permissible limit for Coal Dust is 2000  $\mu\text{g}/\text{m}^3$

Page 1 of 1

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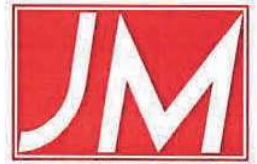
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## TEST REPORT

Name & Address of Unit:	<b>M/s. J.K Cement Works, Mangrol Tilakhera Limestone Mine (M.L. No.: 07/97) at Village - Mangrol and Tilakhera, Tehsil - Nimbahera, District- Chittorgarh, Rajasthan-312617</b>	Report No.:	<b>JME/FD/260218043</b>
Sample Description:	<b>FUGITIVE EMISSION</b>	Reporting Date:	<b>21/02/2026</b>
Sample Collected by:	<b>JMELPL TEAM</b>	Analysis Completion Date:	<b>21/02/2026</b>
Client Representative:	<b>Mr. Ajay Sharma (Senior Manager- Environment)</b>	Analysis Start Date:	<b>18/02/2026</b>
		Receipt Date:	<b>18/02/2026</b>
		Duration of Sampling:	<b>4 hours</b>
		Equipment Used:	<b>HVS</b>
		Sampling Protocol:	<b>JMELPL/STOP/04</b>
		Testing Protocol:	<b>JMELPL/STOP/03</b>

### TEST RESULTS


S. No.	Sampling Location	Date of Monitoring	SPM ( $\mu\text{g}/\text{m}^3$ )	SO <sub>2</sub> ( $\mu\text{g}/\text{m}^3$ )	NO <sub>2</sub> ( $\mu\text{g}/\text{m}^3$ )	CO (mg/m <sup>3</sup> )
1.	Near Drilling Site	17/02/2026	357.0	7.2	17.4	0.61

**Note:** As per CPCB Guideline (PROGRAMME OBJECTIVE SERIES PROBES/ 118 /2007)

1. Permissible limit for other than coal dust is 5000  $\mu\text{g}/\text{m}^3$
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**\*\*End of Report\*\***

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## TEST REPORT

Name & Address of Unit:	<b>M/s. J.K Cement Works, Mangrol Tilakhera Limestone Mine (M.L. No.: 07/97) at Village - Mangrol and Tilakhera, Tehsil - Nimbahera, District- Chittorgarh, Rajasthan-312617</b>	Report No.:	<b>JME/FD/260218044</b>
Sample Description:	<b>FUGITIVE EMISSION</b>	Reporting Date:	<b>21/02/2026</b>
Sample Collected by:	<b>JMELPL TEAM</b>	Analysis Completion Date:	<b>21/02/2026</b>
Client Representative:	<b>Mr. Ajay Sharma (Senior Manager- Environment)</b>	Analysis Start Date:	<b>18/02/2026</b>
		Receipt Date:	<b>18/02/2026</b>
		Duration of Sampling:	<b>4 hours</b>
		Equipment Used:	<b>HVS</b>
		Sampling Protocol:	<b>JMELPL/STOP/04</b>
		Testing Protocol:	<b>JMELPL/STOP/03</b>

### TEST RESULTS

S. No.	Sampling Location	Date of Monitoring	SPM ( $\mu\text{g}/\text{m}^3$ )	SO <sub>2</sub> ( $\mu\text{g}/\text{m}^3$ )	NO <sub>2</sub> ( $\mu\text{g}/\text{m}^3$ )	CO ( $\text{mg}/\text{m}^3$ )
1.	Near Loading Site	17/02/2026	218.0	8.4	20.5	0.64

Note: As per CPCB Guideline (PROGRAMME OBJECTIVE SERIES PROBES/ 118 /2007)

1. Permissible limit for other than coal dust is 5000  $\mu\text{g}/\text{m}^3$
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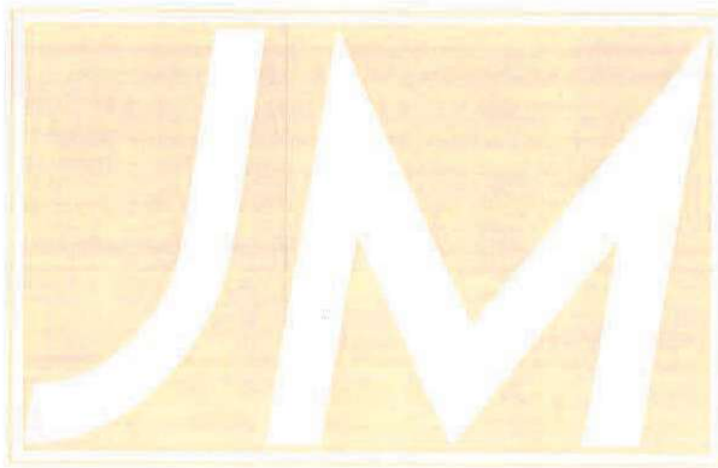
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## TEST REPORT

Name & Address of Unit:	<b>M/s. J.K Cement Works, Mangrol Mangrol Limestone Mine, ML No. 26/08, Village- Mangrol, Tehsil- Nimbahera- 312617 District- Chittorgarh, Rajasthan</b>	Report No.:	<b>JME/WN/260216005</b>
Sample Description:	<b>Work Zone Noise Level Monitoring</b>	Reporting Date:	<b>20/02/2026</b>
Sample Collected by:	<b>JMELPL TEAM</b>	Analysis Completion Date:	<b>20/02/2026</b>
Duration of Monitoring:	<b>4 Hours</b>	Analysis Start Date:	<b>16/02/2026</b>
Sampling Protocol:	<b>JMELPL/STOP/04</b>	Receipt Date:	<b>16/02/2026</b>
		Equipment Used:	<b>Sound Level Meter</b>
		Testing Protocol:	<b>JMELPL/STOP/08</b>

### TEST RESULTS

S. No.	Monitoring Locations- Mangrol Mines	Date of Monitoring	Parameter	Limits in dB(A) Leq. as per Factory Act 1948 for Operational & Work Place Area
			Leq dB(A)	
1.	Near Active Mines	14/02/2026	74.5	85.0



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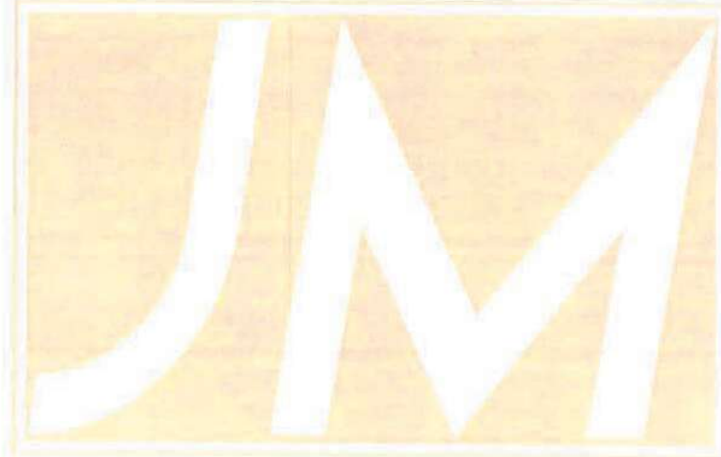
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## TEST REPORT

Name & Address of Unit:	<b>M/s. J.K Cement Works, Mangrol Tilakhera Limestone Mine (M.L. No.: 07/97) at Village - Mangrol and Tilakhera, Tehsil - Nimbahera, District- Chittorgarh, Rajasthan-312617</b>	Report No.:	<b>JME/WN/260218006</b>
Sample Description:	<b>Work Zone Noise Level Monitoring</b>	Reporting Date:	<b>21/02/2026</b>
Sample Collected by:	<b>JMELPL TEAM</b>	Analysis Completion Date	<b>21/02/2026</b>
Duration of Monitoring	<b>4 Hours</b>	Analysis Start Date	<b>18/02/2026</b>
Sampling Protocol:	<b>JMELPL/STOP/04</b>	Receipt Date	<b>18/02/2026</b>
		Equipment Used:	<b>Sound Level Meter</b>
		Testing Protocol:	<b>JMELPL/STOP/08</b>

### TEST RESULTS

S. No.	Monitoring Locations- Tilakhera Mines	Date of Monitoring	Parameter	Limits in dB(A) Leq. as per Factory Act 1948 for Operational & Work Place Area
			Leq dB(A)	
1.	Near Active Mines	17/02/2026	73.2	85.0



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## TEST REPORT

Sample Number	<b>JME/JKCMP/WW/07</b>	Report No.	<b>JME/WW/260218011</b>
Name & Address of Unit	<b>M/s. J.K Cement Works, Mangrol (Unit- Cement Plant) Tehsil- Nimbahera- 312617 District- Chittorgarh, Rajasthan</b>	Format No.	<b>7.8 F-01</b>
		Party Reference No.	<b>Nil</b>
		Reporting Date	<b>24/02/2026</b>
		Analysis Completion Date	<b>24/02/2026</b>
Sample Description	<b>WASTE WATER</b>	Analysis Start Date	<b>18/02/2026</b>
Sampling Location	<b>Mangrol Mines Workshop</b>	Receipt Date	<b>18/02/2026</b>
Client Representative (Name & Designation)	<b>Mr. Ajay Sharma (Senior Manager- Environment)</b>	Sampling Date	<b>17/02/2026</b>
Sample collected by	<b>JMELPL Team</b>	Sampling Type	<b>Grab</b>
Latitude	<b>---</b>	Preservation	<b>Refrigerated</b>
Longitude	<b>---</b>	Environmental Condition during Sampling:	<b>Ambient Temp. 27°C;</b>
Sampling Protocol:	<b>JMELPL/STOP/04</b>	Sample Quantity	<b>Clear Sky</b>
		Parameter Required	<b>Approx. 3.0 Litre As per work order</b>

### TEST RESULTS

S. No.	Test Parameter	Test Method	Result	Unit	Limit as per CTO
1.	pH (at 25°C)	IS:3025 (Part-11)	7.60	-	6.5-8.5
2.	Total Suspended Solid	IS:3025 (Part-17)	31.0	mg/l	100
3.	Chemical Oxygen Demand (COD)	IS:3025 (Part-58)	117.0	mg/l	250
4.	Bio chemical Oxygen demand (BOD) (3 Days at 27°C)	IS:3025 (Part-44)	23.0	mg/l	30
5.	Oil and Grease	IS 3025 (Part-39)	1.6	mg/l	10
6.	Chloride as Cl	IS 3025 (Part-32)	229.7	mg/l	-
7.	Sulphate as SO <sub>4</sub>	APHA 24th Edition, 4500-SO <sub>4</sub> -C/D/E	112.46	mg/l	-
8.	Iron as Fe	IS:3025 (Part-53)	0.22	mg/l	1
9.	Phosphate	APHA 24th edition 4500-P-C/D	0.17	mg/l	5
10.	Copper as Cu	IS:3025 (Part-42)	BDL (DL 0.02)	mg/l	1
11.	Total Chromium as Cr	IS:3025 (Part-52)	BDL (DL 0.08)	mg/l	0.2
12.	Zinc as Zn	IS:3025 (Part-49)	BDL (DL 0.1)	mg/l	1

Note: BDL- Below Detection Limit, DL- Detection Limit

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**Sprinkling Water on Haul road**



**Water sprinkling on blasted muck pile to reduce dust generation**